

Danielle Ye

973-818-8969

danielle.ye9@gmail.com

An organized, detail-oriented, and conscientious self-starter, able to strategize and prioritize effectively to accomplish multiple tasks and stay calm under pressure.

SUMMARY:

- 4 years of solid experience in **User Interface (UI) & Web development** as a Front-end developer in eCommerce and entertainment background.
- 2 years of working experience in physics department of NJIT as a **teaching and research assistant**.
- Highly skilled with **JavaScript/ES6+, NodeJs, ReactJs, Webpack, HTML5, CSS3/SCSS, testing, GIT** and various professional dev tools and methodologies.
- Proficient in creating responsive User Interface application cross browsers using **HTML/HTML5, CSS/CSS3, JavaScript/ES6+, ReactJs, jQuery, Bootstrap4**. Producing high quality responsive websites and exceptional user experience.
- Hands-on experience on creating Single Page Application by **modern front-end frameworks** like **ReactJs** and **Angular** for different domains.
- Create reusable **modular front-end components** with modern **Search Engine Optimization (SEO)** strategies.
- Experience in consuming RESTful Web Services to implement AJAX calls. Hands-on experience with integration with PHP/Laravel back-ends APIs by **Axios, Fetch and JQuery \$ajax**.
- Extensive Experience in **CSS3** preprocessors styling such as **SASS** and **LESS**.
- Hands-on experience on creating web animations and HTML5 games with **GreenSock** and **CSS Animation**.
- Extensive Experience in video ads integration with various ads networks utilizing JW Player.
- Experience in Front-end build tool and module bundler like **Webpack**.
- Strong experience in **GIT**, familiar with **GIT** commands. Using **Cornerstone** and **Tower** as version control tools.
- Experience in Database development and implementation using different RDBMS such as **SQL Server, Oracle** and **MySQL**. Have the knowledge of working with **NoSQL** databases such as **MongoDB**.
- Experience in **Big Data** using Hadoop, MapReduce and Spark. Experience in **Machine Learning** with **RStudio** including Linear and Multiple Regression, Decision Tree, Logistic Regression, Random Forest, Gradient Boosting, Linear Discriminant Analysis, Naive Bayes. Experience in **Data Mining** with dataset selection, pre-processing, transformation, data mining, evaluation and interpretation.
- Hands on experience using **Matlab, IDL, Adobe - Photoshop, Premiere, illustrator & Flash** to edit the photos, graphics and videos for development and design.
- Familiar with popular browsers development and debugging tools/plugins for **Chrome Inspector, Firebug** and **IE tester**.
- Unit testing experience with **Jasmine, Karma, Jest** and **Mocha**, use **TDD** for developing web application. Test front-end code in multiple browsers to ensure cross-browser compatibility.
- Good understanding and hands-on experience in new web technologies like **Vue.JS, Angular, Lodash, Babel** and **Typescript**.
- Familiar with team communication software such as **Slack, Microsoft Teams, Join.me** and **TeamViewer**.
- Excellent experience in IDE and TextEditors like **VSCode, Sublime Text, Vim** and **Webstorm**.

- Extensive working experience in various SDLC methodologies, especially Agile Scrum and Waterfall.
- Strong communication, problem-solving ability, excellent performance in teamwork, Solid organizational, project and team management skills, Reliable, motivated, hard-working, and attentive to details.

TECHNICAL SKILLS

- **Web Technologies:** HTML/HTML5, CSS/CSS3, JavaScript/ES6+, ReactJs, Angular, Webpack, jQuery, Bootstrap4, SASS, LESS, AJAX, JSON, Git, NPM, Node.js, Lodash
- **Programming Languages:** JavaScript, SQL, PHP, Python, R, C/C++, Fortran, Perl, IDL, Matlab
- **IDE/TextEditors:** Visual Studio Code, Sublime, WebStorm, Notepad++, Dreamweaver
- **Debugging & Testing Tools:** Chrome Inspector, Firebug, Safari Web Inspector, IE tester, Jest, Jasmine, Karma, Mocha
- **Version Control System Tools:** GIT, SVN
- **Database Management System:** MySQL, Oracle, MongoDB
- **Methodologies:** Agile, Waterfall, Test Driven Development, UML
- **Others:** Experienced user of Linux (Ubuntu), Windows and Mac, Adobe Photoshop CC, Adobe Photoshop Lightroom, Adobe Premiere Pro, Final Cut Pro, iMovie

EDUCATION & CERTIFICATION

Master of Computer Science degree candidate HARRISBURG UNIVERSITY OF SCIENCE AND TECHNOLOGY, US

Master of Science NEW JERSEY INSTITUTE OF TECHNOLOGY, US

Bachelor of Science & Computers SHANGDONG UNIVERSITY

PUBLICATIONS

- **Ye, Dan-Dan**, Chang Liu, and Haimin Wang. "Irreversible rapid changes of magnetic field associated with the 2012 October 23 circular near-limb X1. 8 Flare." Research in Astronomy and Astrophysics 16.6 (2016): 010.
- Song, H.Q., Chen, Y., **Ye, D.D.**, Han, G.Q., Du, G.H., Li, G., Zhang, J. and Hu, Q., 2013. A study of fast flareless coronal mass ejections. The Astrophysical Journal, 773(2), p.129.

WORK EXPERIENCE

1. Publishers Clearing House, NY Jan 2017 – present
Front End Developer

The goal of the project is to build intelligent and user-friendly web based interface by clients' requirements. Also maintain website www.pch.com.

Responsibilities:

- Responsible for creating efficient design and developing User Interaction screens using HTML5, CSS3, JavaScript/ES6, PHP/Laravel.
- Involved in Agile/SCRUM based approach to UI Development and Waterfall for seasonal general version update release.
- Worked closely with the business team for requirements, the creative team for design discussion and the backend team with highly functional features.

- Worked on creating responsive website for smart devices using responsive design and media queries.
- Delivered and created modular and testable code.
- Apply modern SEO strategies on web pages and components.
- Built HTML5 game packages using GreenSock and CSS Animation. Built Game Manager Library to inject either iframe games or HTML5 games in the page. Using vanilla JS to build the JavaScript event system, which allows the browser to emit and listen custom events.
- Worked on video ads integration with various ad networks utilizing JW Player.
- Extensively worked on Rest Services and dependency injection.
- Utilized various JavaScript and jQuery libraries, Ajax for form validation and other interactive features.
- Designed RESTful APIs that allow effective and low cost application integration.
- Used GIT to retrieve, update, and commit code.
- Created various Mixins, Variables, Custom Fonts and Directives in SASS and Front Awesome.
- Used CSS Sprites to decrease the number of HTTP requests and load time of web pages.
- For easy debugging used Chrome inspector and Safari develop tools.
- Worked closely with QA team in fixing the reported bugs/defects and checking cross-platform compatibility.
- Active participation throughout the entire software development lifecycle from project inception, to code development and elaborate testing of the various modules.
- Maintained the existing code and supported old browsers like IE11.
- Used MySQL and SQLPro to manipulate databases.

Environment: HTML5, CSS3, JavaScript/ES6, SASS, PHP/Laravel, GIT, Ajax, JSON, MySQL, REST APIs.

2. Merlin Sight LLC, NJ

Nov 2016 – Nov 2017

Programmer Analyst

Responsibilities:

- Working with specific computer systems and tailor scientific systems to the need of our company.
- Designing the software for the our company's new system.
- Translating the designs into various programming languages for the computer to follow.
- Preparing cost analyses to assist management in determining the financial feasibility of a system.
- Working with project managers to ensure that time lines are met.
- Responsible for testing software to ensure there are no problems and debugging programs whenever problems arise.
- Staying abreast of new technology trends in order to incorporate any relevant applications to existing systems.
- Reading technology publications, joining professional organizations, attending seminars and maintaining good relationships with vendors.

3. Union Nature LLC, NJ

Mar 2016 – Oct 2016

Assistant Manager / Web developer

Responsibilities:

- Using techniques like data analysis to deal with customers' requirements and improve the sales rates.
- Using programming languages like HTML and JAVASCRIPT to re-design and maintain the website.
- Developing the Nav Bar and Shopping Cart with JavaScript and Angular.JS.
- Updating sales record sheet every week.
- Utilized ADP internal JavaScript library to create detailed modal dialogs, focus-slideIn animations and process numbers of panels' layout.

- Created and managed all of hosted or local repositories through SourceTree's simple interface of GIT client, collaborated with GIT command lines and Stash.

4. Physics Department of NJIT

Sep 2013 – Jun 2015

Teaching Assistant

Responsibilities:

- Assist faculty members with classroom instruction, exams, record keeping, and other miscellaneous projects.
- Tutor or mentor students.
- Perform laboratory research.
- Clean labs and set up or remove specimens.
- Obtain materials needed for classes, including texts and other materials.
- Prepare presentations for lectures.
- Deliver lectures.
- Hand out assignments and grade papers.
- Proctor examinations.
- Record grades and inform students of their final grades.
- Arrange for teaching observations.
- Meet with students during office hours.
- Help professors and teachers develop course plans.
- Assist with student conferences.
- Lead discussion sections.
- Teach undergraduate courses.
- Create and write materials such as a syllabus, visual aids, answer keys, supplementary notes, and course websites.
- Correspond with students on Blackboard or related inter-campus communication system.
- Provide librarians with assistance cataloging or displaying collections.
- Enforce laboratory rules.
- Take attendance and record responses.
- Record lectures given by professors.

5. Space Weather Research Lab (SWRL), NJ

Jun 2014 – Dec 2015

Research Assistant

Responsibilities:

- **Communication:** To be able to speak and write about their findings clearly, as well as understand assignments and instructions.
- **Attention to Detail:** Finding the right information takes concentration.
- **Critical Thinking:** Use decisive reasoning to determine the best course of action in their research.
- **Technical Skills:** Use computers to research their information, as well as record their findings. Download needed data from satellite data servers and use IDL and Matlab to analysis data to get results.