**David Ornelas**

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**SOFTWARE ENGINEER**

I am a full-stack software engineer with an emphasis in applied mathematical logic in computing system algorithms. My experience in large-scale national distribution and logistics allows me to effectively manage time and resources to maximize project and business potential.

**SKILLS**

Python | Flask | Django | HTML5 | CSS3 | Bootstrap | React | Javascript | Node.js | Express | MongoDB | Passport.js | Git | Github | RESTful API | Heroku | Axios | Postman | Data Structures and Algorithms | SQL Database Management | Selenium | PHP | Apache | AWS | Azure Cloud Solutions

**PROJECTS**

**Automated Web Scraper with React Data Visualization**

* Utilized Selenium/Python for website scraping and automation to extract data from several job posting websites
* Data visualization utilizing several different libraries
* Built backend using Flask while using best practices and keeping code clean and readable
* Built front-end with react and implemented different libraries while focusing on user experience and design

**Machine Learning Card Game**

* Used HTML5 CSS3, and Javascript libraries to create an AI based online card game
* Added interactivity through Jquery and CSS3
* Used Git throughout the process for version control, and to test new features on a new branch before implementing.

**Javascript-Based Machine Learning Game**

* Created wireframes for the project using available tools and software
* Used DOM manipulation to add elements to page
* Implemented HTML5 CSS3, Javascript, Jquery and bootstrap
* Used version control software throughout process for automation and clean workflow

**Personal Planning Software**

* Used the Javascript libraries along with HTML5 and CSS3 to create an interactive planning software with multiple CRUD features
* Used Git throughout the process for version control, and to test new features on a new branch before. implementing them into the master branch.

**PROFESSIONAL EXPERIENCE**

**Software Engineer Fellow - General Assembly**

2020-2020

* Document and demonstrate solutions by developing documentation, flowcharts, layouts, diagrams, charts, code comments and clear code
* Prepare and install solutions by determining and designing system specifications, standards and programming
* Determine operational feasibility by evaluating analysis, problem definition, requirements, solution development and proposed solutions using technologies and cloud solutions where applicable
* Implemented strict unit testing

**Logistics and Tech Specialist - Walmart Logistics**

2016-2020

* Responsible for large-scale national distribution of over 1 million cases a week to several different locations
* Implemented necessary computer programming to automate tasks
* Utilized agile workflow with Python, Javascript, and several other languages
* Managed a team of over 10 while keeping all projects ahead of deadlines and lowering costs for employer by over 10%

**EDUCATION**

**General Assembly,** Software Engineering Certificate, 2020-2020

* Completed over 500 hours of programming lessons with hands-on experience daily
* Utilized project-based learning and complex problem-solving strategies
* Collaborated on multiple teams and built 4 full stack applications form the ground up
* Used MVC frameworks and built backends with Flask, Django, NodeJs, SQL, NoSQL, and cloud deployment
* Consistently wrote unit tests using Selenium and other testing libraries to ensure all aspects of applications were functioning properly

**Southern New Hampshire University**, Computer Science, 2018-2019

* Completed all math courses and computer courses required for Bachelors of Computer Science

**Central Arizona College**, Certificate of General Science, 2013-2017