Dylan Alexander Kertson

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Seeking an entry level software engineering position to utilize my education in programming and hardware fundamentals as well as my experience in web development and agile methodologies to create, test, and deploy software that will be used in the real world. I currently live in the Phoenix area but am open to relocation and am eager to further enhance my skills and knowledge through training and experience.

Education

Santa Clara University, Santa Clara CA　　　　　　　　　　　　**September 2016 - June 2020**

Bachelor of Science in Computer Science and Engineering

- Winner of "Design Presentation Award"

Work Experience

Iridium Communications　　　　　　　　　　　　　　　　　**June 2019 - August 2019**

Software Engineering Intern　　　　　　　　　　　　　　　　　*Chandler, AZ*

- Wrote confluence plugins to increase team efficiency
- Aided in the transition of team to properly utilizing Atlassian application suite
- Worked as a member of scrum development team using agile development
- Contributed to scrum and team meetings to discuss development and distribution of team software
- Learned and worked with JavaScript, Java, and HTML

Arizona Rubber Co.　　　　　　　　　　　　　　　　　　　**Summers of 2012 - 2017**

Product Distributor　　　　　　　　　　　　　　　　　　　　*Phoenix, AZ*

- Analyzed delivery trends and transaction size to build an efficient product distribution system
- Managed inventory and generated invoices using command based software
- Curated a positive relationship between clients and management

Projects

DinnerPal and dinnerpal.org: Co founder of DinnerPal, a board game that turns dinner time for kids into a fun and rewarding experience that encourages them to finish their plate. Wrote and designed dinnerpal.org from scratch using Django, Bootstrap, HTML, CSS, JavaScript, and Python.. Includes user authentication, subscription payments via Stripe, and profile page with the ability to modify information stored both on database as well as on Stripe's servers.

Engineering Lab Evaluation System: Created a website to allow engineering students to evaluate their teaching assistants performance in lab sections. Written using typescript/angular, HTML/CSS, nodeJS, and Oracle SQL.

Electric Hydrofoil Monitor: Web app to monitor data such as RMP, speed, torque, etc. from onboard sensors of DIY hydrofoil. Ability to organize ride data by build and display in an easy to read format with various graphs and visual representations . Data is retrieved from an SD card and parsed then saved to a database. Written using Django, HTML, CSS, and JavaScript.

Text Recovery: Built a C++ program where, given a text file where all white spaces between words were lost, used dynamic programming to get all possible original documents and rank outputs in order of likelihood based on a dictionary file with 100,000 most used English words.

Skills

Languages: C, C++, Python, JavaScript, HTML, CSS, ARM Assembly, MySQL, Node.js, Swift, PHP, Java

Frameworks: Django, Bootstrap, Angular, React, jQuery