

Kyle Armstrong </>

SKILLS AND QUALIFICATIONS

- Python - Javascript, HTML, CSS -Typescript - React -Redux -Jest - Enzyme - Django - GraphQL - Materialize
-Firebase -MySQL - Node.js - Express - MongoDB - Microsoft Interop Objects -Windows Forms

EXPERIENCE

Sendoutcards (sendoutcards.com) *Software Engineer* West Valley, Ut January

2018-Present

- Helped design and program new React app from an outdated Django template site
- Added new GraphQL queries and mutations to perform CRUD operations
- Improved contact importer from csv, involving UI to update and edit contacts in table before sending to the server
- Write unit tests for React components as well as other functions to help maintain codebase

Dorsett Technologies *Automation Engineer* Layton, Ut April 2015-January 2018

- Designed and programmed software to streamline the process of creating a SCADA project which includes budget, parts, IO lists, and planning (programmed in IronPython, C#, uses Microsoft's Interop Objects)
- Designed and programmed software to convert the above project into an electrical drawing schematic in Vlsio (programmed in IronPython, C#, uses Microsoft's Interop Objects)
- Made a program using Javascript, HTML and CSS to read in an XML file, convert it to a table, allow modifications, and then create the new XML file
- Created a demo and presented to NASA's Marshall Space Flight Center, to show how Dorsett's software could be improved to browse their database in an intuitive manner, allowing for better access to their BAS system
- Performed use case analysis to start on the improvement of Dorsett's InfoScan software, as well as participated in designing and programming a demo in javascript to create a location hierarchy structure. The use of paper prototypes and usability tests were ensued to improve the concept
- Front end programming of search application using the MVC design pattern with aid of Knockout.js
- Designed and programmed a water treatment plant controls system in Vernal Utah. It involved over 500 inputs and 200 outputs, 3824 overall points. I wrote many scripts and used ladder type logic to perform the many plant processes, including a PI controller script used to maintain the water level in the filters

Schneider Electric *Engineering Intern—Manufacturing Engineer* Salt Lake City, Ut November 2012-April

2015

- Eliminated scrap averaging \$400/month by creating poka yoke system that included PLC programming and use of pneumatic arm, reed switches, and momentary switches
- Trained the production staff in groups of 6 on Schneider's Suggestion System by creating and giving powerpoint presentation which included the 5 whys problem solving technique
- Contributed ideas in a 3 day kaizen event. Team included plant manager, senior manufacturing engineer, production manager, and production line lead

Technical Projects:

Mission Impossible Mechatronics Design Competition

- Designed and built a wireless remote controlled robot that sensed IR light, grabbed an object, and raised and lowered grabbing platform. Developed code (C++) to wirelessly transmit commands to and from robot

Stirling Engine Senior Design

- Developed Matlab code to maximize power conversion from Stirling engine by an electromagnetic generator

EDUCATION

University of Utah College of Engineering *Bachelor of Science Mechanical Engineering* May

2015

GPA: 3.7 Dean's List: 2011-2014

University of Utah Professional Education *Full Stack Web Development Boot Camp* March 2018

VOLUNTEER

Church representative (Fluent in Spanish)

Michoacán, Mexico 2009-2011

- Lead and trained up to 12 others to help them manage time and serve others more effectively

CONTACT

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