

Daniel E Trevino

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WORK EXPERIENCE

Sikorsky Aircraft, Stratford, CT USA

01/2011 - 01/2012

Design Engineer Intern

- Updated computer models with changes to part information. Changes included those to documentation or redrawing of models to fit new specifications.
- Worked in a team of 4 to revise 26 specification sheets for fuel system components.
- Worked with part suppliers to help them performance standards for parts or change the specifications when necessary.
- Cooperated with a large team of engineers in Landing Gear team to produce working digital blueprints of parts to be crafted.

EDUCATION

University of Maryland College Park College Park , Maryland USA

2010 - 2015

Bachelors in Chemical and Biomolecular Engineering

University of Maryland College Park College Park, Maryland USA

2015 - 2017

Bachelors in Computer Science, GPA: 3.4 (Major)

- Senior. Expected to graduate in December 2017

SKILLS

- Proficient in the following languages: Java, C, Ocaml, Ruby, Prolog, Javascript, HTML, CSS, PHP, SQL.
- Able to use regular expressions to match and verify strings for password verification and input sanitization to prevent security or reliability issues in programs.
- Proficient with all of the Microsoft Office programs (Word, Powerpoint, Excel, etc.)
- Familiar with office environment and managing tasks in order to achieve goals in a specified timeline.
- Great "softskills" in order to communicate with colleagues in a manner that is respectful and focuses on effectively relaying a point.

PROJECTS

- Wordnet: Using Ruby, programmed a working "Wordnet" which uses hypernym to hyponym (is-a) relationships to define how similar certain words are in meaning to each other by how far they must travel up the tree to reach a common hypernym. This program required file reading and usage of regular expressions to determine invalid inputs.
- SmallC: In Ocaml functional programming language, programmed a reduced functionality version of a C language parser. Program will read C code, tokenize the terms, build a parse tree, and then evaluate the code in the order of precedence specified by the parse tree.
- FTPSecurity: In Ruby, programmed a simple FTP server and used regular expressions in conjunction with various input sanitization techniques (whitelisting, blacklisting,...) to prevent unauthorized access and command injection.