Cameron Burdsall

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OBJECTIVE: To find an internship position in which I can contribute my Computer Engineering education and several years of IT experience and in addition to a passionate work ethic and effective knowledge of software engineering principles.

EDUCATION:

Bachelor of Science, Computer Science and Engineering, Santa Clara University

Rising Senior, Expected Graduation: **June 2021**

TECHNICAL SUMMARY

Programming Languages: C/C++, Python, HTML/CSS, Java, SQL, JavaScript, Prolog, ARM Assembly, MATLAB, Verilog

Software: Word, Excel, PowerPoint, Intel Quartus, Visual Studio, Eclipse, Brackets IO, Xilinx Vivado

Platforms: Windows, macOS, Ubuntu, Centos, UNIX/Linux Terminal, Windows Command Line

Skills: Data Structures, Algorithms, OOP, Troubleshooting/Debugging, Socket Programming

Technologies: Various Java, Python, and C++ libraries, Ticketing Systems, Database Systems (MS SQL)

PROJECTS:

Java Test Taking Application   **April 2020**
- Led 3-person team to create an application that tests students and keeps track of their grades
- 3 Layered application with a UI (Java Swing), Business layer, and Persistence layer

C Webserver   **February 2020**
- Multithreaded C Program that allows multiple clients to simultaneously connect to a server
- Uses Linux system calls to establish a TCP connection which sends packets which constitute a file

AI TwitterBot: https://twitter.com/camburdbot   **June 2020**
- Python program that uses Markov chains to generate realistic content from a set of quotations
- Automatically generates a string with a random font and overlays on top of a randomly selected image

Sales Database/Site: http://students.engr.scu.edu/~cburdsal/COEN178Project/sales.html   **May 2020**
- Designed and implemented a SQL Server database for a sales system
- Created a website interface that is connected to the database using PHP code that allows users to sign up, place orders, and view product information

WORK EXPERIENCE:

Pure Storage, Remote

Software Automation Intern   **June 2020 – Sept 2020**
- Created system that automatically gathers information regarding SaaS usage and spending and organizes it into a single reporting dashboard on Tableau
- Wrote Python programs hosted on a Docker container to pull data and created a SQL database to store data

Santa Clara University, Santa Clara, CA

Help Desk Analyst/Field Support Technician   **July 2018 – March 2020**
- Provided technical support for students, faculty, and staff
- Performed troubleshooting of hardware and software issues, research potential solutions

RELEVENT TECHNICAL COURSEWORK:

- OO Analysis, Design, & Programming
- OO Data Structures
- Computer Networks
- Computer Architecture
- Electric Circuits
- Logic Design
- Artificial Intelligence
- Theory of Algorithms
- Embedded Systems
- Database Management Systems
- Probability & Statistics
- Differential Equations
- Linear Algebra
- Operating Systems

AFFILIATIONS

- Member, **Association for Computing Machinery**   **September 2019 - Present**
- Member, **Pi Kappa Alpha Fraternity**   **January 2018 – Present**
- Hackathon Participant, **Hack for Humanity 2020**   **February 2020**