Kristen Wong

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Objective: To obtain job/internship opportunity that will augment my skills as a computer engineer, specifically in hardware or software.

Education

Rutgers University: School of Engineering

BS, Bachelor of Computer Engineering, Minor in Mathematics Anticipated: May 2018

>> Relevant Coursework: Principles of Electrical Engineering I & II, Digital Logic Design, Programming Methodology I & II, Probability and Random Processing, Advanced Calculus for Engineers, Computer Architecture & Assembly Language, Electronic Devices, Digital Electronics, Linear Systems & Signals (with MATLAB), Virtual Reality, Software Engineering, Computer Systems (OS's)

Work Experience

Mary Pomerantz Advertising/TPG Staffing Highland Park, NJ (8-30 hours/week) - Payroll Assistant, 2012-Present

Main responsibilities include filing, organizing weekly invoices and billing reports, setting up Global Cash Card accounts online, and other miscellaneous tasks. Additionally, took on various projects as assistance was needed.

DentalWorx Laboratory, LLC Edison, NJ (2-3 hours/week) - Administrative Assistant, 2012-Present

Worked in the shipping area of the lab organizing incoming and outgoing packages. Also helped with filing and computer and network troubleshooting.

Skills

C/C++ (highly proficient), Mac OSX, Windows, Microsoft Office, FileMaker, MATLAB, PSPICE (OrCAD), XCode, Function Generator, Oscilloscope, DC Power Supply, Digital and Analog Multimeters, MIPS, PTX, QtSpim, Unity

Projects

Hardware:

> Designed and constructed various electrical circuits in the laboratory (about once per week) while employing various hardware testing devices to assimilate results.

> Designed a theoretical **digital combination lock** for that opened when the user inputted the correct 9-digit number combination. This lock system was designed using concepts of logic circuitry.

> Designed a **three-way speaker system** – this design was based on principles of high pass and low pass filters. The system of circuits filtered input signals so that the correct signals were outputted in their respective speaker.

Software:

> Programmed an average of one program per week using C++.

> **FoodAI (1st Place Overall at LehighHacks)** – Worked on a team to create a mobile application that scans a refridgerator and returns recipes that an be made using items in the fridge. This application implements concepts of machine learning and image recognition.

> Designed and implemented a fully functional **bank teller simulator** in C++ that simulated incoming customers at a bank and calculated monetary and time costs based on user inputted parameters.

> Currently working on a **full stack restaurant automation system** application that includes features that can be used by restaurant management, staff, and customers to keep track of orders, table statuses, and much more. The application consists of several different user interfaces that connect to a central database.

Awards/Honors

> Rutgers University Scarlet Scholarship recipient – merit based scholarship awarded to students with the most outstanding academic credentials

> Edison Rotary Student of the Month November 2013

> Divisional Varsity Tennis Player of the Year 2013-2014

Volunteer/Leadership

> National Honor Society President

> Robert Wood Johnson University Hospital Safety Ambassador

> Student Leadership Team Member

> Saint Peter's Univeristy Hospital & JFK Medical Center Nurses' Assistant