

School Address

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OBJECTIVE

Summer internship in Computer Science

EDUCATION

Worcester Polytechnic Institute (WPI), Worcester, MA

Bachelor of Science, Computer Science, May 2021 GPA: 3.88/4.00

SKILLS

Programming Languages: C, Java, Python, R, JavaScript, Shell Scripts, HTML, CSS Oracle PL/SQL

Applications and Software: Git, GitHub, Microsoft Visual Studio Code, Bash, Eclipse, Cordova, VirtualBox, Microsoft (Word, Excel, PowerPoint), Google (Docs, Sheets, Slides), Skype, iMovie, Mac, Linux, Windows

CODING PROJECTS

El Caño Archaeological Park App, Interactive Qualifying Project, Panama August – October 2019

- Designed an application to give English- and French-speaking visitors a self-guided tour of El Caño Archaeological Park and refined the design with visitor and sponsor feedback on a team of four
- Built the design into a Progressive Web App using HTML, CSS, and JavaScript, then into Android and iOS native apps using Cordova, Android Studio, XCode, and shell scripts
- Wrote a 60-page manual explaining how to modify and update the app and a 70-page project report; presented findings and recommendations in a poster presentation and PowerPoint to sponsors
- Taught relevant use of GitHub, Git, HTML, CSS, and Microsoft Visual Studio to groupmates

Operating Systems, WPI

January – March 2018

- Simulated a command shell to perform system calls and background tasks for Linux with C
- Designed multi-threaded programs with locks and semaphores to avoid race conditions in C

Intro to Machine Organization and Assembly Language, WPI

October – December 2018

- Programmed a cache simulation and a cache-efficient matrix transpose function in C

EXPERIENCE

Internship with Nesci & St. Louis P.L.L.C., Tucson, AZ

May – August 2019

- Drafted a procedures manual and templates for motions and letters using Google Docs and Dropbox
- Resolved routine IT issues for iMac desktops, Mac laptops, and HP Printers

Internship with Nesci & St. Louis P.L.L.C., Tucson, AZ

February – April 2017

- Integrated Google Drive into employee workflow to increase productivity
- Designed PowerPoint presentations for court hearings on evidence
- Organized video footage for courtroom presentation using iMovie

ADDITIONAL PROJECTS

Great Problems Seminar: Livable Cities, WPI

August – December 2017

- Researched and produced a certificate program and educational campaign on bat conservation in urban environments for cub scouts, brownie scouts, and students
- Identified, secured, and interviewed contacts over video using Zoom

ADDITIONAL EXPERIENCE

Peer Learning Assistant, Great Problems Seminar, WPI

August – December 2018

Eagle Quest Area Director, Camp Lawton, Mount Lemmon, AZ

May-July 2016 – 2017

Eagle Scout Project, Haven, Tucson, AZ

September – December 2016

ACTIVITIES

Alpha Phi Omega, WPI

September 2018 – Present

Running Club, WPI

February 2019 – Present

Science Fiction Society, WPI

February 2018 – Present