Caleb Morton

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Purpose
Passionate programmer dedicated to excellence with skills in Python, Golang, Java, HTML, CSS, JavaScript, NodeJS, C, and Bash looking for a company to learn and grow in whose culture promotes the development of their employees.

Education
· 2 years of Computer Science at Grove City College

Relevant Experience

UI/UX DESIGN INTERN | WAYSTRIDE | DECEMBER 2018 – JANUARY 2019
· Provided wisdom on how to design their app so that it will appeal to young people while being intuitive to the elderly.

SOFTWARE DEVELOPMENT INTERN | BOOZ ALLEN HAMILTON | JUNE 2018 – AUGUST 2018
· Worked with a team of interns to create essentially Facebook Messenger that does not need the internet to work.
· It is being implemented in both humanitarian and strategic communication applications. (GitHub: https://git.io/fh9DB)

SOFTWARE TESTING INTERN | RACKTOP SYSTEMS | FULTON MARYLAND | AUGUST 2016 – MAY 2017
· Meticulously tested software and developed my understanding of Bash/Linux Command Lines.
· Protected Racktop from financial loss by discovering that a key feature was broken on an update to our software.

INTERN | LAZARUS FOUNDATION | GLENWOOD MARYLAND | APRIL 2013 – AUGUST 2016
· Worked with hardware and software on donated computers to get them prepared for nonprofit client's needs.

Personal Projects and Competitions

BUILDING MACHINE LEARNING APP TO CLASSIFY SONGS BY STYLE OF DANCE
· Took mp3 files, converted them to wav, spliced them into 10 second parts, turned them into spectrograms and am working on a machine learning app to classify it by style of dance. (GitHub: https://git.io/fhy98)

BUILT TEXT TO SPEECH PROGRAM
· I needed a text to speech app and all the ones I could find were subpar. My app uses OCR to work with pictures or scanned in PDFs. It will have a Django front end, but that part is still in development. (GitHub: https://git.io/fh9DG)

CREATED BACKUP PROGRAM
· Wrote a program in Python to address the problem of needing to copy files automatically from one folder to another. I needed a program to do this well and it did not exist, so I built one. (GitHub: https://git.io/fh9DI)

CREATED LINUX DISTRIBUTION FROM KERNEL
· Created my own custom Linux Distribution from the kernel and gnu using bash.

FIRST ROBOTICS
· Competed in robotics competitions for seven years. In freshman year my team and I went to the world championship.

BUILT VIRTUALIZATION SERVER
· Created a server that allows the deployment of VMs using KVM and containers using Docker. It is also a home NAS.

PUT MAC OS IN A VIRTUAL MACHINE
· A friend told me I could not put Mac OS in a Virtual Machine, so I had to prove him wrong.

REBUILT THE GROVE CITY COLLEGE JOURNAL OF LAW AND PUBLIC POLICY WEBSITE
· Their website was so bad that I had to fix it because it hurt me to see a website that badly built. (https://bit.ly/2AE1Dvw)

USED LINUX ON PRIMARY MACHINES FOR THREE YEARS | JULY 2016 – PRESENT
· Started using Linux to learn a valuable skill and I quickly fell in love with it and now I cannot stand to use anything else.

THESIS | OCTOBER 2015 – MAY 2016
· Argued that Drive by Downloads are a relevant and urgent problem that needs to be addressed.

Extracurricular

COLLEGIATE
· Member of the Association for Computing Machinery
· Performance Ballroom dance
· Social Ballroom dancing
· Social Swing Dancing
· President of Social Free Dance

LEADERSHIP
· Elev8 Basketball Coach for 5 Years
· Vice President of Young Americans For Liberty
· Taught middle schoolers how to program
· Am honing the talent of a high school student who I think has the potential to be an incredible programmer

COMMUNICATION
· Participated in competitive debate for three years.
· Won mock trial. Presented with Best Speaker Award.
· Presented keynote address on cybersecurity

Languages and Tools

LANGUAGES
· Java
· Python
· JavaScript
· NodeJS
· HTML
· CSS
· Bash
· Go
· C

TOOLS
· Docker
· Junit testing
· Django
· Angular
· AWS and Google Cloud