

Sehmon Burnam

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Work Experience

Engineering Practicum Intern - Google

2016

Worked with Google's Infrastructure Networking team designing and developing software solutions for Google's data centers. Through software-defined networking, we are able to build real-time, low-latency software models of Google's network. Developed a tool using Python to verify links within a large-scale, globally diverse network by deriving models of paths through the network. Was responsible for controlling the generation of Traceroutes, and controlling their responses to be in a useful format.

- * Added 1000+ lines of code to Google's codebase
- * Repaired existing bugs in an external library that was owned by a remote team based in Tel Aviv
- * Wrote accompanying design documentation
- * Wrote both Unit Tests and Integration Tests to verify code

Technical Experience

Programming Languages	Technologies
Python	HTML&CSS
Java	Linux
C++	Node.js
Javascript	Git

Awards & Activities

Founder of HackUC - The first hackathon of Union County Vocational Technical Schools www.hackuc.com
Core organizer of Northwestern's Hackathon: Wildhacks
Co-Director of hackNorthwestern - Teaching Northwestern students fundamentals of Software Development
Web Developer and contributor for DIAL UP Radio and Magazine dialupstuff.com

Education

Northwestern University B.S. in Computer Science <i>2015-2019</i>

Projects

Potholes

[Python - Flask - Bootstrap](#)

HackBCA II - 3rd Place

Intel Code for Good Prize

City of New Brunswick Pilot Project

Potholes is a project developed to help cities manage infrastructure maintenance. Was chosen by Addteq to become a summer pilot project for the city of New Brunswick.

What Am I Eating?

[Android - Mashery API](#)

HackRU Top 10 Prize

Best Use of Mashery API

"What am I Eating?" uses a barcode scanner to retrieve the UPC from a food item and returns the nutrition facts using the FoodEssentials API provided by Mashery.

CareSwears

[Python - Flask - Bootstrap - Digital Ocean](#)

www.challengepost.com Staff Pick of the Week

CareSwears is a digital swear jar that uses the Chrome WebKit Speech API to check when you swear, and donates \$0.25 to charity each time.