KYLE SCHOENER

STUDENT, RESEARCHER, TEACHING ASSISTANT, SWE

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About Me

I'm Kyle. I love the outdoors and exploring nature with my friends. I take videos and pictures as a hobby and upload them to the internet sometimes. I see programming as a hobby, rather than work.

Education

University at Buffalo
B.S. Computer Science 2018

Skills

Proficient: Java, Python, Git
Knowledgeable: C/C++, HTML/CSS, Javascript, Android Dev

Employment

Amazon, Inc. — Seattle, Washington
Software Development Engineer Intern
During the course of my internship at Amazon, I owned 2 projects. Both projects required my knowledge in Computer Science as well as soft-skills because it required me to work with many different people to move forward with these projects.

University at Buffalo: Blue Research Group — Buffalo, New York
Research Assistant
Profile: https://blue.cse.buffalo.edu/people/kylescho/
Project: https://blue.cse.buffalo.edu/projects/jouler/

Working on the Jouler project. Using machine learning to predict battery trends in android smartphones. The goal is to be proactive about energy consumption , ensuring the battery doesn't deplete before the user is expected to charge their device.

University at Buffalo: CSE Department — Buffalo, New York
Teaching Assistant
CSE 199: Introduction to the Internet, CSE 115: Introduction to Computer Science
My responsibilities include holding/aiding students in recitation and creating activities for the students to do in lectures and helping the students through these activities.

Projects

Macro Skill — Jul 2017
An Alexa skill created during Amazon's 8-hour Intern Hackathon. We built an AWS Lambda function that connects with an Alexa skill that we call 'Macro Skill'. When you ask Alexa 'What are the macros for <serving size> of <food>?' it will tell you the macros (nutrition facts) for that food, and the specified serving size. We did this by using a massive nutrition database's API and Alexa's natural language processing in Python.

Network Photo Album — Apr 2017
I created the client and server to a LAN Photo Album and slideshow. When you run the python server script, it will look for pictures in a specific location on disk and display those images in a slideshow fashion. The slideshow will be updated whenever a user wants to send over pictures to the server. I use this on my TV in my room with my Raspberry Pi.

Picsync — Nov 2016
Picsync was made during UB Hacking 2016. It is a Python script that uses ffmpeg and raw audio data to sync up photo transitions with the beat of a song. The user inputs a bunch of pictures and a song, and Picsync will output an mp4 with the pictures synced with the beat of the given song!

Perfect Toilet Time — Aug 2016
Crowd sourced bathroom locater and review system. In select locations (ex. University at Buffalo's campus) the user may notify maintenance anonymously about an issue with a bathroom.