Avery Harnish

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EXPERIENCE

CLOUDFLARE, INC. | Systems Engineer Intern
May 2018 – Aug 2018 | Austin, TX

I worked with the Product Strategy team to develop new and exciting applications for the Cloudflare Edge Worker product
- I worked closely with Google's AMP and Chrome developers to create the first application that can generate Signed HTTP Exchanges on the fly for consumption by Google's AMP Cache. This ongoing project will solve the URL attribution error that plagues Google's AMP project with no effort required from content publishers
- Developed a lightweight router using ES6 Javascript that can be used to conditionally apply multiple worker scripts and/or render web pages
- Created a simple, zone-agnostic worker that parses the user agent of every request, and inserts the data into a PostgreSQL database over HTTPS. The same worker charts the browser and operating system data of the site's visitors using chart.js
- Created a CLI component for serverless.com using Javascript and the Cloudflare API that allows developers to easily manage custom logic running in a Cloudflare worker

SNOWVATION, INC. | Software Engineering Intern
May 2017 – January 2018 | Bethlehem, PA & Denver, CO

Created shredbetter.com using Flask and MySQL with a team of 3-5 engineers
- Developed a central user portal used by tens of thousands of customers during peak season for ski resort administrators, instructors, students, and customers using Python and FullCalendar
- Created a system that reminds thousands of customers of their upcoming ski/snowboard lessons
- Regularly made important UI/UX and backend decisions that directly led to increased customer satisfaction and contract renewals

LAFAYETTE COLLEGE IT SERVICES | Consultant
August 2016 – present | Easton, PA
- Saved an estimated 50 hours of manual data entry by automating the migration of ~1700 department evaluation files from 35 departments to a new system using Python and Selenium.
- Regularly provide inputs at weekly board meetings as a student ambassador
- Provide technical support and repair services to students and faculty at the help desk

MANNA FOODS | Technical Staff Assistant
June 2016 – January 2017 | Lebanon, PA
- Automated the formatting of hundreds of company policy using Python to comply with new Hazard Analysis and Risk-based Preventive Controls standards
- Developed a streamlined data entry process with an easy to use GUI for security footage review
- Created an employee scheduling system using Visual Basic to save managerial overhead and reduce employee confusion

EDUCATION

LAFAYETTE COLLEGE | B.A. In Computer Science and Religious Studies
Expected May 2019 | Easton, PA

SKILLS

PROGRAMMING
Experienced with:
Cloudflare Workers • Javascript
Python • Flask • SQL • HTML
(S)CSS • Docker • jQuery
Familiar with:
Golang • React • C++ • C • R • Java
Ruby & Ruby on Rails • D3

LEADERSHIP POSITIONS
Lafayette College
- Treasurer of the Association for Computing Machinery
- Copy Editor for The Lafayette
- Student Ambassador for Lafayette ITS