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 with Google's AMP and Chrome developers to create a scalable application that generates Signed HTTP Exchanges on the fly for consumption by Google's AMP Cache. Cloudflare is positioned to release this signed exchange worker to its customers alongside the update to Google's AMP Cache allowing it to consume and serve signed exchanges.
- Developed a Javascript module (sql-gateway) that interfaces with Argo Tunnel's cloudflared daemon for use in Cloudflare Workers.
- Using the sql-gateway module, I created a Cloudflare worker that parses the user agent of every incoming request and inserts the data into a PostgreSQL database over HTTPS. The same worker generates visualizations of the browser and operating system data of selected routes.
- Worked to create both a Cloudflare component and a Cloudflare provider plugin for serverless.com using Javascript and the Cloudflare API.

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 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 product decisions that directly led to increased customer satisfaction and contract renewals.

LAFAYETTE COLLEGE IT SERVICES | Consultant
August 2016 – May 2018 | 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 provided inputs at weekly board meetings as a student ambassador.
- Provided 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 documents 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 standardize the format of posted schedules.

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