

DANIEL B. SELZER

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EDUCATION

University of Maryland, College Park, MD, B.S. in Computer Science

Graduated May 2019

- Double Minor in Business Analytics and Statistics
- College Park Scholars Science and Global Change Honors Program

GPA: 3.30/4.00

Quality Enhancement Systems and Teams (QUEST) Honors Program Fellow

- Engaged in multidisciplinary teamwork, quality management, process improvement, and system design projects
- Consulted for BD on a project to streamline employee training on medical devices by integrating virtual reality
- Studied in Japan to learn quality and logistics practices from Japanese companies like Toyota and Panasonic

EXPERIENCE

Software Development Engineer, Amazon Web Services, Seattle, WA

July 2019 – Present

- Contributed to a year-long migration project to move our legacy application code to a modern AWS architecture
- Led the development of a feature to allow for an instant shutdown of PDF exports from our application
- Worked extensively with the full stack, including Python ETL, Java backend, Rails/React frontend, and AWS Cloud
- Utilized SQL DDL to create tables in Redshift clusters and SQL queries to extract data from the clusters

Software Development Engineer Intern, Amazon Web Services, Seattle, WA

May 2018 – August 2018

- Owned a project to deliver user metric reports of an AWS Business Development internal tool to stakeholders
- Interacted directly with a variety of different stakeholders to ensure business needs were being met
- Implemented an operational dashboard to keep track of users that were allowlisted to access the internal tool

Web Developer Intern, HireKeep, Washington, D.C.

May 2017 – August 2017

- Designed and implemented new features of the HireKeep Web Platform using Node.js, Angular, HTML, and CSS
- Incorporated UI/UX design principles to improve user retention and provide consistent branding across platforms
- Initiated the team's use of git branching workflows to manage the development of new features

Student Software Engineer, University of Maryland, College Park, MD

March 2016 – January 2017

- Created and maintained Java-based web applications for use by faculty and students
- Deployed automated functional tests using Selenium and JUnit to thoroughly test web applications
- Converted paper forms to digital forms using REST APIs to streamline IT processes

Personal Projects

- Coded a web app to analyze interesting patterns from raw UMPD arrest data using user queries (ter.ps/umpdarr)
- Developed an educational app that gives math problems and adjusts difficulty based on emotions (ter.ps/edup)
- Designed a personal website for a friend using HTML, CSS, JS, and JQuery (timspurfan.github.io)

Programming Languages: Node, Angular, React, Java, Python, Rails, HTML/CSS, SASS, SQL

LEADERSHIP ACTIVITIES & INTERESTS

Co-Director, QUESTDev Software Team, University of Maryland, College Park, MD

September 2016 - May 2019

- Founded a design challenge and hackathon event to empower the QUEST community through technology
- Directed the development of full stack web apps for QUEST and taught the technology stack to members

Technology Captain, Terp Thon Dance Marathon, University of Maryland, College Park, MD

March 2017 – May 2019

- Headed a team of 4 developers to design and update the Terp Thon website to meet the E-Board's requirements

Scheduling Coordinator, Bitcamp Hackathon, University of Maryland, College Park, MD

August 2016 – May 2019

- Coordinated the production of internal and external schedules for Bitcamp, the largest East Coast U.S. hackathon
- Facilitated day-of run of show with event announcements and dealt with scheduling changes/conflicts that arose

President, Rubik's Cube Club, University of Maryland, College Park, MD

August 2016 – May 2019

- Led a team of 4 organizers to stage 300-competitor Rubik's Cube competitions; Staffed US Nationals annually
- 1st Place Rubik's Cube Winner, placed in 44 WCA Events, including 6 First Places, World Cube Association

Danselzer.me

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Github.com/dansrz