DANIEL B. SELZER

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EDUCATION

University of Maryland, College Park, MD, B.S. in Computer Science   Expected May 2019
- Double Minor in Business Analytics and Statistics   GPA: 3.36/4.00
- College Park Scholars Science and Global Change Honors Program

Quality Enhancement Systems and Teams (QUEST) Honors Program Fellow
- Engage 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 Intern, Amazon, Seattle, WA   May 2018 – August 2018
- Owned a project to deliver user metric reports of an AWS Business Development internal tool to stakeholders
- Implemented an internal dashboard to keep track of users that are whitelisted to use the internal tool
- Worked extensively with the full stack, including Python ETL code, Java backend, and Rails/React frontend
- Utilized SQL DDL to create tables in Redshift clusters and SQL queries to extract data from the clusters

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, C, HTML/CSS, SASS, SQL

LEADERSHIP ACTIVITIES & INTERESTS

Co-DIrector, QUESTDev Software Team, University of Maryland, College Park, MD   September 2016 - Present
- Organize a design challenge and hackathon event with the goal of empowering QUEST through technology
- Direct the development of full stack web apps for QUEST and teach the technology stack to QUESTDev members

Technology Captain, Terp Thon Dance Marathon, University of Maryland, College Park, MD   March 2017 – Present
- Head a team of 4 developers to design and update the Terp Thon website to meet requirements from the E-Board

Scheduling Coordinator, Bitcamp Hackathon, University of Maryland, College Park, MD   August 2016 – Present
- Coordinate the production of internal and external schedules for Bitcamp, the largest East Coast U.S. hackathon
- Facilitate day-of run of show with event announcements and deal with scheduling changes/conflicts that arise

President, Rubik's Cube Club, University of Maryland, College Park, MD   August 2015 – Present
- Lead a team of 4 organizers to stage 300-competitor Rubik's Cube Competitions; Staff US Nationals annually
- Solve the Cube as fast as possible; teach beginners how to solve the Cube; participate in and staff competitions
- 1st Place Rubik's Cube Winner, placed in 44 WCA Events, including 6 First Places, World Cube Association

Jumpstart Student Ambassador, Jumpstart, University of Maryland, College Park   September 2018 – Present
- Promote the Jumpstart platform on the UMD campus and be a point of contact for students using the platform

Danselzer.me   Linkedin.com/in/dan-selzer   Github.com/danszr