

# DANIEL B. SELZER

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- Current college senior who is seeking new grad software engineering opportunities for 2019
  - Has a passion for web and software development and applies a solid work ethic to contribute to goals
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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

**Quality Enhancement Systems and Teams (QUEST) Honors Program Fellow** GPA: 3.36/4.00

- 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
- Followed the scrum framework for agile software development to organize tasks

## 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
- 1<sup>st</sup> 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