

# 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 – Present

- Intern working on the AWS Business Development Team
- Owner of an end-to-end project to deliver user metric reports of an AWS 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
- 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.js, Angular, Java, Python, C, Ruby, HTML/CSS, SASS, Javascript, JQuery, SQL, OCaml, Prolog

## LEADERSHIP ACTIVITIES & INTERESTS

**Lead Web Developer, QUESTDev Software Team**, University of Maryland, College Park, MD September 2016 - Present

- 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

**Logistics Organizer, Bitcamp Hackathon**, University of Maryland, College Park, MD August 2016 – Present

- Facilitate the admittance process for minors and produce internal and external schedules for Bitcamp

**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

**Board Member, Cubes 4 Kids** November 2016 – Present

- Coordinate outreach and growth efforts for charity that teaches kids in hospitals how to solve the Rubik's Cube

## HONORS

**Scholarship:** UMD President's Scholarship

**YHack Civic Track Nonprofit Prize**, Yale University, New Haven, CT

December 2017