

DANIEL B. SELZER

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- Current college junior who is seeking software engineering internship opportunities for 2018
 - 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
• Studied in Japan to learn quality and logistics practices from Japanese companies like Toyota and Panasonic

EXPERIENCE

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

Coursework

- Data Structures (Fall 2017)
- Design and Analysis of Computer Algorithms (Fall 2017)
- Data Modelling in Business (Fall 2017)

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
Tech Lead, Terp Thon Dance Marathon, University of Maryland, College Park, MD March 2017 – Present
• Head a team of 5 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
Vice-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
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