DANIEL B. SELZER

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- Logical problem solver who excels at analytical thinking processes to tackle complex projects
- Has a passion for web and software development and applies a solid work ethic to contribute to goals

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EDUCATION

B.S., Major: Computer Science, University of Maryland, College Park, MD   Expected May 2019
- **Quality Enhancement Systems and Teams (QUEST) Honors Program Fellow,** 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.
- **Business Analytics Minor,** Apply statistical and quantitative techniques for data driven decision making
- **Dean's List Academic Honors**   GPA: 3.43/4.00

EXPERIENCE

Web Developer Intern, HireKeep, Washington, D.C.   May 2017 – August 2017
- Designed and implemented aspects of the 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 process to organize tasks

Coursework
- CMSC420: Data Structures (Fall 2017)
- CMSC451: Design and Analysis of Computer Algorithms (Fall 2017)
- CMSC330: Organization of Programming Languages (Spring 2017)
- CMSC351: Algorithms (Spring 2017)

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

Programming Languages: Node.js, Angular, Java, Python, C, Ruby, HTML/CSS, SASS, Javascript, JQuery, SQL, OCaml, Prolog
Character Traits: Dependable, Resourceful, Attentive to Detail, Organized, Cooperative, Patient

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 minor admittance process and produce internal and external schedules for the Bitcamp Hackathon

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

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

Scholarship: UMD President's Scholarship
Honors: Accomplished Member of College Park Scholars; National AP Scholar; AP Scholar with Distinction