Tyler Caldwell
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EXPERIENCE
Software Engineer II (Full-Stack) - Storefront Engineering | Wayfair | June 2016 - Present
• Tech lead of SEO Automation and Algorithm Testing team
• Led project building new CMS tool and frontend integration from scratch for content articles
• Rewrote primary SEO CMS tool used daily by SEO analysts
• Improved the structure of URLs across all browse pages, increasing #1 rankings 22% and visibility 8%
• Improved URL generation and data persistence process for all product pages
• Built process to maintain an up to date sitemap of all products
• Built full-stack link-building applications: a sweepstakes giveaway system, quiz system, and gift generator
• Mentored college intern, who deployed several successful projects to production and returned full-time
• Served as tech lead for team of 20+ new hires during a month of training on a Storefront project
• Regularly interviewed candidates for entry-level full-stack engineering roles
• Mentored new hires placed on the SEO engineering team
• Completed management learning and development curriculum

Intern | Systems Analysis | Fidelity Investments | May 2015 - August 2015
• Developed problem management techniques for estimating the cost of IT service incidents
• Collaborated on an AngularJS frontend for document-sharing application in the Fidelity Global Hackathon
• Created a slide deck on IT service management used by management at a national conference

Intern | Trade Processing | State Street | September 2014 - January 2015
• Processed domestic trades, specialized in investigating and revising failed trades

Intern | Global Income & Tax (Asset Servicing) | Bank of New York Mellon | May 2014 - August 2014
• Processed tax reclaims and income events pertaining to Danish securities for international clients

SKILLS
Programming & Development
PHP, React.js, Backbone.js, Node.js, SQL (SQL Server, Postgres, MySQL), Mustache/Handlebars, SASS/CSS, Java, Python

Other Technical
Git, Unix, Android Development, Wearable Sensor Applications

EDUCATION
University of Massachusetts, Amherst: Commonwealth Honors College | May 2016 | GPA: 3.8
• B.A. Computer Science, B.A. Economics, Political Science Minor, Dean's List 8/8 semesters
• Commonwealth honors scholar with greatest distinction
• Governor of North Residential Area

Relevant Coursework
Data structures, programming methodology, systems principles, discrete math, algorithms, software engineering, logic (graduate coursework), web programming, usability, mobile health sensing, information systems (honors), game theory, econometrics, calculus, methods of applied statistics (graduate coursework)

ACADEMICS
REU | Machine Learning for Mobile Health and Wellness | May 2015 - May 2016
• Utilized machine learning methods to detect the use of alcohol through streaming sensor data from a smart watch to a smart phone, culminating in an undergraduate honors thesis project

Grader | CS 250: Discrete Math | UMass School of Computer Science | September 2015 - December 2015
• Graded assignments for a course with a focus on logic, number theory, computability
• Led discussion of 40 students

Grader | CS 230: Systems Principles | UMass School of Computer Science | January 2015 - May 2015
• Graded and provided feedback on student projects for a course focusing on C and UNIX programming