Justin Alexander Goodman

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Education

University of Maryland, College Park (Honors College) August 2016 - May 2020
Majors: Computer Science (Dept. Honors), Mathematics; GPA: 3.985

Skills

Programming: Java, C, OCaml, Python, Ruby, Rust, LaTeX, HTML/CSS/JS, WordPress, Jekyll, Liquid
Software: Android Studio, Photoshop, Premier Pro, FL Studio, Microsoft Office Suite
Teaching: TA - CMSC131 (Fall 2017), CMSC250 (Spring 2018, Fall 2018); Best Undergraduate TA (Spring 2018)
Leadership: Dept. of Computer Science Education Committee (Fall 2018)
Marketing Coordinator for UMD Cycling Club (June - Dec. 2017), Eagle Scout (Aug. 2015)

Experience

Artificial Intelligence REU, University of Rochester, *Rochester, NY* May - July 2018
- Title: 'Computational Methods for Music, Media, and Minds'
- Created novel Amazon Mechanical Turk interfaces to build three datasets for training computer vision models
- Earned Deans' Citation for Broadening Research Involvement

Web Development Full Time, D3Corp, *Ocean City, MD* May - August 2017
- Collaborated with team to design and build websites for commercial enterprises
- Contributed to over 100 websites
- Learned advanced techniques for WordPress, Jekyll/Liquid, Linux server implementation/ maintenance, Google Analytics/Tags, and Facebook Pixel

DataLeague Hackathon, (2nd place), University of Maryland, *College Park, MD* November 2016
- Designed a model for estimating the likelihood that an airborne illness will survive and affect a population
- Integrated APIs from Weather Underground, Air Now AQI, Google Maps, and the US Census Bureau

Web Development Internship, D3Corp, *Ocean City, MD* June - August 2016
- Collaborated with team to design webpages for commercial enterprises and increase visibility through search engine optimization
- Contributed to over 100 websites
- Learned how to use WordPress and content management systems for building websites

Projects

App Development for Behavioral Research August - Present
- Developing Android app for group of Behavioral Economics researchers at UC San Diego, *San Diego, CA*
- Used Android Studio, along with Google Firebase Authentication/ Database, and FitBit API to log participants' sleep time

Personal Home UNIX Server June - Present
- Converted an old computer into a UNIX-based web server (Ubuntu Server, NGINX, PHP, MariaDB) currently hosting: ironprofessor.com
- Set up SSH key-based authentication and forced-HTTPS protocol

Class Projects August 2016 - Present
- CMSC330: Implemented programs dealing with text manipulation and web security (Ruby), parsing and finite automata (OCaml), and basic data structures (Rust)
- CMSC216: Implemented C programs for finding prime numbers, performing an 80-char linecheck on a file, dealing with structs, implementing a dynamic graph datastructure, and Makefiles
- CMSC131/132: Implemented Java programs dealing with inheritance, polymorphism, generics, and recursion, along with data structures like linked-lists, trees, hash-tables, and graphs