


Justin Goodman

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Education

University of Maryland, College Park (Honors College) August 2016 – May 2020
Computer Science (Dept. Honors), Mathematics; GPA: 3.962
Selected coursework: OOP, Systems, PL, Algorithms, Data Structures, AI, HCI, Discrete Math, Statistics, Advanced Calculus

Skills

Programming Java, Python, C, OCaml, Ruby
Leadership Dept. of Computer Science Education Committee (Fall 2018 – Spring 2019)
4 Semesters TA (OOP I / Discrete Math); Best Undergraduate TA (Spring 2018)
UMD Cycling Club Marketing Coordinator (June - Dec. 2017), Eagle Scout (Aug. 2015)

Experience

Computer Vision 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

All projects available on GitHub. School projects available on request

App Development for Behavioral Research August 2017 – 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 2017 – 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
Wide array of projects including
- Principles of OOP, C Projects, Lexing/Parsing, AI, User Interfaces, AVL Trees and other data structures