

Justin Goodman

📍 College Park, MD

📧 @jugoodma

</> jugoodma.github.io

Education

University of Maryland
College Park, MD
August 2016 – May 2020

B.S. Computer Science (Department Honors)
B.S. Mathematics
Honors College – *University Honors Program*
GPA: 3.940
Selected coursework: Distributed Systems (grad), Algorithms, Data Structures, AI, HCI, Game Programming

August 2020 – May 2021

M.S. Computer Science (*expected*)

Experience

Big Data REU
Summer 2019

Title: ‘BigDataX: From theory to practice in Big Data computing at eXtreme scales’
Worked on addressing space theory in HExSA lab
Created novel process dynamics visualization techniques

Computer Vision REU
Summer 2018

Title: ‘Computational Methods for Music, Media, and Minds’ (Dr. Chenliang Xu)
Created novel Amazon Mechanical Turk interfaces to build three datasets for training computer vision models
Earned Deans’ Citation for Broadening Research Involvement

Web Development Internship
D3Corp
Ocean City, MD
Summer 2016 & 2017

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
Learned advanced techniques for WordPress, Jekyll/Liquid, Linux server implementation/maintenance, Google Analytics/Tags, and Facebook Pixel

Projects

All personal projects available on GitHub. School projects available on request

Android App
August – December 2017

Developed Android app for group of Behavioral Economics researchers at University of California, San Diego
Used Android Studio, along with Google Firebase Authentication/Database, and FitBit API to log participants’ sleep time

Personal Home Linux Server
Salisbury, MD
June 2017 – present

(still maintained) Converted an old computer into a UNIX-based web server – recently migrated to Raspberry Pi
Set up SSH key-based authentication, forced-HTTPS protocol, text-message updates, UPS power backup, and a git repository
Currently hosting: ironprofessor.com

Class Projects
College Park, MD
August 2016 – Present

Principles of OOP, C system fundamentals, Lexing/Parsing, AI heuristics and searching, User Interfaces, AVL Trees and other data structures, Distributed storage systems

Things I Like

Programming

Java, Python, Golang, C, OCaml, Ruby

Leadership

Dept. of Computer Science Education Committee (Fall 2018 – Spring 2020)
UMD Cycling Club Marketing Coordinator (June – Dec. 2017), Eagle Scout (Aug. 2015)

Teaching

5 Semesters TA (OOP I / Discrete Math); Best Undergraduate TA (Spring 2018); STIC Co-facilitator (Fall 2019)

Normal Human Things

writing (especially in \LaTeX), making music, learning, cooking, cycling, swimming, running, advocating for wearing sunscreen, working on difficult problems, studying math until my brain hurts, cracking dumb jokes with my friends, and playing video games