

# Justin Goodman

📍 College Park, MD

🐙 @jugoodma

</> justgood.dev

---

## 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: 3.945 – Magna Cum Laude  
Selected coursework: Distributed Systems (grad), Algorithms, Data Structures, AI, HCI, Game Programming, Compilers, Advanced Calculus I, Abstract Algebra

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*

**Software Developer, Graduate**  
*Raytheon BBN Technologies*  
*Arlington, VA*  
June – August 2020

Collaborated with team to enhance micro-service system registry  
Learned advanced SOA (service-oriented architecture) design, Docker, Kubernetes, Agile software development, and Node.js (React, Meteor)

**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](https://ironprofessor.com)

---

## Things I Like

---

**Programming**

Python, Golang, Java, 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**

7 Semesters TA (OOP I / Discrete Math / HCI); Best Undergraduate TA (Spring 2018);  
Co-developed and taught 2 STICs

**Normal Human Things**

writing (especially in L<sup>A</sup>T<sub>E</sub>X), 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