

# ETHAN JAFFEE

ejaffee1@umd.edu

908-451-9821

ethanjaffee.com

## EDUCATION

---

### University of Maryland, College Park

College Park, MD (2019 - Present)

- Bachelor of Science in Computer Science
- Minor in Spanish
- Expected Graduation December 2022

## WORK EXPERIENCE

---

### Amazon

Software Development Engineer Intern - Supply Chain Optimization Technology

Seattle, WA (Summer 2022)

- Streamlined inventory sourcing efforts by implementing Role-Based Access Control on the vendor configuration portal
- Created AWS Lambda Activities for back-end authorization checks that use dependency injection with Google Guice for maximizing code maintainability
- Added conditional rendering using React to restrict users from viewing unauthorized features

### J.P. Morgan Chase

Software Engineering Intern - Data Platform Services

New York, NY (Summer 2021)

- Migrated system used for connecting Virtual Desktop Infrastructure to Hadoop Cluster from using Cloudera CRM to a proxy server and URL-based routing
- Reduced Big Data Platform's hardware, maintenance, and licensing costs by over \$2 million USD

### Outspoke.io

Software Engineer, Part-Time

(January 2022 - Present)

- Assisted in migration from a WebSocket TCP communication protocol to standard REST APIs with HTTPS
- Improved business insight accuracy by comparing existing data on a customer with information scraped from their own website using a Python script with BeautifulSoup
- Lead platform's transition to Amazon Web Services

### Major League Hacking

Hackathon Coach

New York, NY (February 2021 - Present)

- Managed and supervised 24-48 hour hackathons across North America with up to 1,000+ participants on a semimonthly basis
- Taught technical workshops to an international audience reaching 500+ concurrent viewers, representing sponsors using industry relevant software such as AWS, Blockchain, Databases and more

## PROJECTS

---

### NBA Data Analysis

December 2021

- Created detailed report of NBA statistical trends since 2004 using Jupyter Notebook
- Used Python's Panda's framework to read data into a DataFrame and analyzed trends using linear regression
- Verified regression's reliability by creating violin plots and comparing how median residuals change overtime

### Bitcamp

December 2019 - Present

- Programmed online platform for hosting Bitcamp, a 1300+ person collegiate hackathon using Python (Flask) and Javascript (vue.js)
- Collaborated with designers to develop a responsive website for participants and sponsors to gather information and register for the event

## SKILLS

---

**Programming Languages:** Java, Python, C/C++, JavaScript, HTML/CSS, R, SQL, Ruby, OCaml, Rust

**Frameworks and Technologies:** AWS, React, Flask, BeautifulSoup, Jupyter Notebook, MySQL, Git, Maven, Guice

**Concepts:** Cloud Computing, Agile Development, Object-Oriented Programming, Virtual/Augmented Reality

**Coursework:** Database Design, Mobile Programming, Data Science, Advanced Data Structures, Advanced Algorithms