

George Tong

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Education

University of Maryland College Park (UMCP)

- Bachelor of Science Degree in Computer Engineering, **GPA 3.98/4.0** [Received May 2019]
- Advanced Cybersecurity Experience for Students Honors Program Citation [Received May 2017]
- **Full Banneker/Key Scholarship Recipient**, Summa Cum Laude, Dean's List awardee

Skills

- Languages: Java (Proficient), JavaScript (Proficient), C (Proficient), Python (Proficient), Ruby, OCaml, Bash, HTML5, CSS3/Less, Matlab
- Frameworks/Libraries: Django, scikit-learn, React Native, Node.js, Express.js, D3.js, Knockout.js
- Other: PostgreSQL, Elasticsearch, MongoDB, Firebase, Git, Pug, Raspberry Pi, Unix, MIPS, Android App Development, Arduino, Machine Learning, Networking, Data Structures

Work Experience

Robinhood – Data Software Engineer

[August 2019 – Present]

- Translated the broad team mission of supporting Customer Experience, Operation, and Finance with data into a clear, actionable roadmap by interviewing teams and identifying pain points
- Created nightly Airflow jobs that tracked the progress of users' GDPR data requests as well as API endpoints that all Robinhood services interacted with to manage and delete users' data
- Developed Looker dashboards and serviced data requests with extensive SQL queries to inform different company decisions

UMCP CS Department – CMSC351 (Algorithms) Teaching Assistant

[August 2017 – May 2019]

- Selected as one of six undergraduate teaching assistants based on academic performance
- Hosted weekly office hours available to around 500 students, graded papers, and wrote exams

Lyft – Software Engineering Intern

[May – August 2018]

- Developed and implemented an Impression Discounting System (Python) for Lyft's Referrals team to recommend contacts for users to refer based on historical data
- Led migration of referral recommendation model execution system to new internal service
- Created the first end to end tests of the referral system's contact saving and recommendations

Zynga – Software Engineering Intern

[May – August 2017]

- Developed a game (Javascript, Less, HTML, Knockout.js) from inception to workable prototype, implementing a turn-based system, online play, and points tracking
- Won **1st place** at Zynga's intern hackathon for developing a Facebook Instant Game

Adelphi Army Research Lab – Software Engineering Intern

[May – August 2016]

- Independently developed full stack web app (JavaScript, MongoDB, Node.js, Express.js, D3.js) that supported historical graphs and live streams of power data through websockets
- Created TCP Server that collected and stored data from multiple concurrent sensors via sockets
- Developed email notification system of 'bad' data, secure login, command interface to send commands to connected sensors, and online graph manipulation tools

Projects

Automated Price Tracker

[May 2019 – Present]

- Developed a Selenium bot to automate data collection and storage of secondhand website's sold history into a PostgreSQL database and a nightly job to sync database with Elasticsearch server
- Built price comparison tool that identifies items that would be profitable to resell by querying Elasticsearch server for similar items
- Generated over **\$1000 in profit** by automatically detecting good deals on the secondhand website's new listings via the pricing comparison tool

Bitcamp Android/iOS App and Website

[September 2016 – April 2017]

- Spearheaded team effort to build Android/iOS App, upgrade website, and develop a new QR-Code check in system for UMD's largest hackathon
- Led development of React Native mobile app that allowed event organizers to push out real time notifications and provide users with information about sponsors/prizes

Leadership

Terrapin Freelancers – Co-Founder/President

[April 2016 – August 2017]

- Founded Terrapin Freelancers, a University of Maryland technical freelance team focused on providing software solutions to clients
- Negotiated custom sponsorship package with Bitcamp (UMCP's student-run hackathon) Board of Directors in return for software development