(937) 432-7340
New York, NY
jasondong7777@gmail.com

Jason Dong

Software Engineer

Website: thejasondong.com
linkedin.com/in/jason-dong-7075a5177

I am a full stack software engineer with fluency and working proficiency in an agile environment, with flexibility in frontend or backend roles. Please visit my website at **thejasondong.com** for more in-depth descriptions of my past and ongoing work.

Education

Duke University — **Durham, NC**
Double Major: BSE - Electrical & Computer Engineering, BS - Computer Science, Minor - History — AUG 2018 - MAY 2022

Activities: Design @ Duke Co-Founder & Treasurer, FEMMES Hardware Track Lead, Asian Students Association, HackDuke, Teaching Assistant, Research Assistant in I^3T Lab

Technical Experience

Goldman Sachs — **New York, NY**
Software Engineer — *JUL 2022 — Present*

- Full Stack software engineer in GS Select Private Banking team. Responsible for collaborating with consumer-facing team in designing vibrant client dashboards and integration with backend services.
- Proficient in front end development in React.js/HTML/CSS.

Duke University — **Durham, NC**
Teaching Assistant - EGR103, ECE350 — *JAN 2021 - MAY 2022*

- ECE 350: Digital Systems, a computer engineering class focusing on the design and implementation of a multi-cycle pipelined processor and deployment on final design projects onto a FPGA. Graded HW, exams, projects, and held weekly office hours.
- EGR 103: Computational Methods in Engineering, an introductory coding class in Python and using computational methods. Graded weekly lab reports, exams, and served as a weekly lab assistant.

Air Force Life Cycle Management Center - Electronic Warfare Division — **Dayton, OH**
Electrical & Software Engineering Intern — *MAY 2021 - AUG 2021, JUN 2020 - AUG 2020*

- 2021: Designed and built payload for an UAV to have greater ADS-B range extension to track aircraft. Work included implementing Python scripts on Raspberry Pi for data acquisition, post processing in MATLAB/Python, electrical wiring, and system modelling. Improved ADS-B reception, range, and post-processing efficiency by over 30%.
- 2020: Designed and built an Arduino-based solar tracking device from the ground up with custom electrical components and C++ code. Approved and duplicated to support many remote projects in the field. Wrote Python/MATLAB scripts for radar modelling and electronic warfare simulation.

Air Force Research Laboratory - Materials and Manufacturing Directorate — **Dayton, OH**
Radar & Software Engineering Intern — *MAY 2019 - AUG 2019*

- Worked in AFRL's Materials Test Evaluation lab helping with modelling and analysis through MATLAB and Python with relation to mitigating tape bubble formation on military aircraft.

Skills

Programming and Frameworks	Java, Python, JavaScript (React.js, Node.js, Express), C++, HTML/CSS, MySQL, Swift, Git
Communication	English (fluent), Mandarin Chinese (fluent), Spanish (limited)

Personal Projects

Full-Stack Web Application

- Senior capstone project to create a fully functional web application for a school district to allow administrators to manage records and parents to interface with school communication and bus systems. I was the main frontend engineer.
- Tech stack: Python (Django), React.js, PostgreSQL, Google Maps API

Poker Bankroll App (iOS)

- Personal project to self learn Swift and iOS development to implement a poker bankroll tracker for one of my hobbies. Currently under development with a local working prototype and expected to be submitted for publishing on the App Store in Fall 2022.
- Tech stack: Apple iOS, Swift, SQLite, FireBase

Crypto Price Tracker

- Personal project to create web app displaying prices of major cryptocurrencies. I utilized a React front-end interfacing with a Node.js back-end to display live prices from APIs. Currently expanding development into a React Native app for iOS and Android.
- Tech Stack: JavaScript (React.js, Node.js, Express)