

Samuel J. Zhang

samuelzhang3@gmail.com | 917.584.7239

www.github.com/CodeSammich | www.linkedin.com/in/samuel-zhang

EDUCATION

Georgia Institute of Technology, Class of 2020 & GPA 3.83/4.00

Bachelor of Science, Computer Science in Intelligence/Networks

- **Atlanta Studies Symposium Speaker:** Sociotechnical Sustainability Community Development (2017)
- **Selected Coursework:** Data Structures, Databases, Artificial Intelligence, Algorithms, Systems & Networks

PROFESSIONAL EXPERIENCES

Jun 2018 – Aug 2018 **AT&T Software Engineering Department**

Technology Development Program Summer Associate

- Designed and created Python script to automate statistical machine learning models for T-DATA Call Volume Reduction – resulting in \$3MM in savings annually
- Planned and deployed tests generating SQL queries with Pandas to adjust regression models
- Built REST backend for DirecTV package recommendation interface on MERN stack
- Designed and implemented scalable MongoDB database for survey storage

Sep 2017 – Dec 2017 **Epic Intentions – Georgia Works!**

Agile Team Lead

- Led team of 7 to create SQL database for nonprofit serving 200+ homeless people
- Assessed architecture with REST and implemented MySQL backend to ensure secure storage and data retrieval
- Set weekly targets and worked with CFO to ensure accurate data and on-time delivery

May 2017 – Aug 2017 **AT&T Technology Operations – Teleconferencing Tier 2**

Technology Development Program Summer Associate

- Worked closely with Fortune 500 teams and managed client relations directly
- Triageed and contained time-sensitive issues escalated from client environments
- Presented daily operational reports to global teams and led enterprise replication tests

LEADERSHIP & EXTRACURRICULAR INITIATIVES

Vertically Integrated Projects – Automated Algorithm Design *sponsored by the National Academy of Engineering*

- Raised image classification to 93% accuracy using deep neural networks with Cartesian genetic programming
- Designed and automated Google Cloud deployment using shell scripts, increasing speed by 4.6x with TPUs

HackGT – Food Mood, a ‘Tinder for food’ Android app

- Designed and demo-ed app with asynchronous multithreading to parse JSON data using Google Places API
- Optimized cost and runtime efficiency, i.e. limit on API queries, compatibility with SDK 26

StuyBooks Online Marketplace

- Recruited and led team of 4 to create institution-wide merchandise trading platform
- Built and deployed application with Google OAuth, Reddit-based voting system, under MongoDB architecture on self-hosted Apache-based web server

SKILLS & LANGUAGES

Languages	Python, Java, JavaScript, SQL, C, HTML/CSS, XML, Scheme
Frameworks	MongoDB, Vertica, Pandas, MySQL, NodeJS, ExpressJS, Flask, Git, Apache
Operating Systems	Mac OS, Windows, Linux / UNIX
Foreign Languages	Native in English and Mandarin Chinese
Other	European-American dual-citizenship & work authorization