

# SAMUEL ZHANG

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## EDUCATION

### Georgia Institute of Technology

Atlanta, GA

GPA 3.86/4.00

September 2016 – May 2020

*Candidate for Bachelor of Science, Computer Science*

- Atlanta Studies Symposium Speaker: Sociotechnical Sustainability Community Development (2017)
- Courses: Data Structures & Algorithms, Computer Organization & Programming, Introduction to Discrete Math

### Stuyvesant High School

New York, NY

## PROFESSIONAL EXPERIENCES

### Epic Intentions – Georgia Works!

Atlanta, GA

*Team Leader*

September 2017 – December 2017

- Led team of 7 to migrate Excel to SQL database for nonprofit employment agency serving 200+ homeless
- Evaluated architecture for security reliability with REST and wrote MySQL backend to insert/retrieve data
- Initiated frontend, backend, and client communication to ensure scalability and on-time deployment in AWS

### AT&T Technology Operations – Teleconferencing Tier 2

Atlanta, GA

*Technology Development Program Intern*

May 2017 – August 2017

- Managed escalations and customer experience from Fortune 500 companies i.e. IBM, DuPont, and Macquarie
- Identified, isolated, and managed resolutions to complex teleconferencing network/platform troubles for CAAS programs i.e. AT&T Connect, Microsoft Lync, and Cisco WebEx with AT&T Audio Integration
- Prepared and delivered daily operations report and conducted replication and cooperative tests with global teams

### Computer Science & Technology for Urban Youth sponsored by Google & E-Bay

New York, NY

*Team Supervisor & Mentor*

July 2014 – April 2016

- Worked closely with team and resolved escalated conflicts to ensure progress ahead of schedule
- Developed multimedia advertising and increased participant rate 8x to 400+ active members per semester
- Presented Processing game demo to Google representatives and other industry leaders at St. Joseph's College

## PERSONAL PROJECTS

### HackGT – Food-Mood

- Designed and demoed “Tinder for Food” Android app for groups of people to efficiently decide where to eat
- Integrated non-blocking asynchronous multithreading to parse JSON geolocation data from Google Places API
- Optimized cost and runtime efficiency by limiting API queries and allowing compatibility with SDK 26

### StuyBooks Online Marketplace

- Recruited and directed team of 3 in creating book trading platform to buy and sell used books
- Managed Agile project workflow and version control, reporting metrics and key deliverables to clientele
- Deployed pilot with RESTful Flask application integrated with PyMongo, Google OAuth login system, and Reddit-based voting system using the Wilson binomial proportion confidence interval
- Wrote database queries for MongoDB architecture hosted on Apache-based web server with documentation

### Cookie Clicker

- Led team of 3 and built midsized mobile game app in Android SDK 19, dynamically adapted to majority of phones
- Integrated asynchronous multithreading in Java with XML to create dynamic user interface

## SKILLS & INTERESTS

### Languages

Python, Java, C, JavaScript, SQL, HTML, CSS, XML, Lisp (Scheme)

### Frameworks

Flask, NoSQL/MongoDB, Git, MaterializeCSS, Apache

### Operating Systems

Mac OS, UNIX/Linux, Windows

### Foreign Languages

Native in English. Proficient in Mandarin Chinese

### Other

French-American dual-citizen with work authorization in the U.S. and Europe