

Ankit Gupta

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EDUCATION

WASHINGTON UNIVERSITY IN ST. LOUIS

McKELVEY SCHOOL OF ENGINEERING

B.S. in Computer Science

Second Major in Economics

Aug 2017 - Dec 2020 | St. Louis, MO

Dean's List

GPA: 3.8/4.0

MAJOR GPA: 3.9/4.0

THE UNIVERSITY OF EDINBURGH

STUDY ABROAD

Jan 2020 - May 2020 | Edinburgh, UK

Cognitive Science, Technology in Society,

The Highland Bagpipe

HORACE MANN SCHOOL

Sep 2013 - June 2017 | Bronx, NY

Honors in comp sci, math, history

LINKS

Website:// ankit.tech

Github:// [ankit0504](https://github.com/ankit0504)

LinkedIn://[ankit-gupta-](https://www.linkedin.com/in/ankit-gupta-)

SKILLS

Languages

Java • Python • Kotlin • JavaScript • SQL

• C++ • R • x86 Assembly • AVR

Assembly • PHP • CSS • HTML

Technology

CAD • \LaTeX • Git • Docker • Amazon EC2

• RxJava • Dagger • Node.js

COURSEWORK

COMPUTER SCIENCE

Analysis of Algorithms • Systems Security

• Systems Software • Data Science •

Rapid Prototype Dev. & Creative Prog. •

Object-Oriented Software Dev. Lab. •

Data Structures & Algorithms • Logic &

Discrete Mathematics • Web

Development • Computer Engineering

ECONOMICS

Econometrics • Capital Market

Imperfections & Entrepreneurial Finance

• Economics of Public Policy •

Microeconomic Theory • Macroeconomic

Theory

MATHEMATICS

Probability & Statistics • Linear Algebra •

Multivariable Calculus

EXPERIENCE

SQUARE | SOFTWARE ENGINEERING INTERN

May 2019 – Aug 2019 | San Francisco, CA

- Completed a spike to prove the viability of and develop a plan for integrating weighing scales into the Android Point of Sale (POS).
- Wrote a design document to effectively communicate my plan for scale support.
- Communicated with an external vendor to coordinate details for integrating their product into Square POS.
- Designed and built an API using RxJava that communicated with weighing scales and provided that information to other Square teams.
- Implemented a user interface that displayed available weighing scales.
- Investigated RSSI connectivity of Square card readers to obtain better analytics for Bluetooth connections.

WASHINGTON UNIVERSITY IN STL | TEACHING ASSISTANT, TUTOR

Jan 2018 – Dec 2019 | St. Louis, MO

Data Structures & Algorithms Head TA

- Manage a team of 100+ TAs and a class of 450+ students.
- Host recitation and exam review lectures for course material.
- Develop course material. (studio exercises, lab assignments, quizzes, etc.)
- Schedule office hours and coordinate exam and assignment grading.

TA Courses: Intro to Microeconomics, Rapid Prototype Dev. & Creative Prog., Logic & Discrete Math, Intro to Computer Science

- Assist students working through assignments in a laboratory setting.
- Hold open office hours twice a week to help students outside of the classroom.
- Grade students' exams and homework submissions.

Tutor Courses: Introduction to Systems Software, Object-Oriented Software Dev. Lab., Data Structures & Algorithms

- Help students one-on-one with assignments and exam preparation.

CROSSBEAM | SOFTWARE DEVELOPMENT INTERN

May 2018 – Aug 2018 | Philadelphia, PA

- Implemented a Python Flask, PostgreSQL, REST API backend and Vue.js, Bootstrap frontend for a website that tracks B2B partnerships.
- Worked extensively on SEO using Vuex and Nuxt.js server-side rendering.
- Utilized D3 to construct network graphs to highlight B2B partnerships.
- Developed unit and integration tests in Python and JavaScript.
- Worked closely with a team of two founders and four interns.

PERSONAL PROJECTS

FINGERPRINT PAYMENT | KOTLIN

- Integrated fingerprint sensor into Square POS to enable a payment using biometric authentication.

REACT BETTING WEBSITE | REACT (JAVASCRIPT)

- Constructed a React+Node.js website that keeps track of and finds bets.

JOEY TRIBBIANI CHROME EXTENSION | JAVASCRIPT

- Used JavaScript to create a mass thesaurus Chrome Extension.

FAMILY TREES | D3

- Used D3 to visualize my family ancestry.