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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: Fall 2017 - Spring 2019
GPA: 3.9/4.0

HORACE MANN SCHOOL

Sep 2013 - June 2017 | Bronx, NY
Honors in comp sci, math, history
Student ambassador and tour guide

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*
Introduction to Systems Software
Introduction to Data Science
Rapid Prototype Dev. & Creative Prog.
Object-Oriented Software Dev. Lab.
Data Structures & Algorithms
Logic & Discrete Mathematics
Web Development
Introduction to Computer Engineering
AP Computer Science A
AP Computer Science Principles

ECONOMICS

Econometrics*
Capital Market Imperfections &
Entrepreneurial Finance*
Economics of Public Policy
Intermediate Macroeconomic Theory
Intermediate Microeconomic Theory
Introduction to Macroeconomics
Introduction to Microeconomics

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 and Dagger 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 – Present | St. Louis, MO

Data Structures & Algorithms Head TA

- Manage a team of 80+ TAs and a class of 300+ 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, Object-Oriented Software Dev. Lab.*, 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: 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

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.

LEADERSHIP PROGRAMS

DELOITTE | NATIONAL LEADERSHIP CONFERENCE

CAPITAL ONE | SUMMIT FOR DEVELOPING LEADERS

BANK OF AMERICA | IGNITE WITH TECH

PHILLY STARTUP LEADERS | START. STAY. GROW.