

RACHEL TIEU

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EDUCATION

Hunter College, B.A in Computer Science

Expected Winter 2022

- Minor in Mathematics
- Daedalus Computer Science Honors program
- **Coursework:** Software Analysis & Design, Discrete Structures, Data Structures & Algorithms, Object Oriented Programming, Test Driven Development, iOS Development, Practical Web Development, Intro to Cyber Risk

3.8 GPA

SKILLS

- **Programming:** C++, Python, HTML, CSS, Swift, JavaScript, TypeScript
- **Misc. Software & Frameworks:** Git, Pandas, Django, React, Redux, Postman, Plotly
- Fluent in Vietnamese (*Conversational*) and Cantonese (*Conversational*)

EXPERIENCE

Bank of America

June 2021 – Present

Global Technology & Operations Summer Analyst

- Develop a Django REST application with data modeling and an API to track service deployments across the Network Infrastructure Domain Model team in order to increase developer productivity
- Automate the cleaning of IP subnet data to streamline workflow engine processes and improve data processing
- Work on an Agile team to prioritize user stories and feature deployment through Fibonacci Agile Estimation

Microsoft

June 2020 – Aug 2020

New Technologist Intern

- Worked on a team of 5 interns to build a web application in order to increase transparency and accessibility to health care resources for young adults that utilized React, Redux, TypeScript, HTML, CSS, as well as Jest for testing
- Conducted UX research with over 70 potential users through user interviews, and experience testing to effectively address user pain points and prioritize features most optimal to user experience
- Ideated, prototyped, and tested features to be built and developed a specification outlining design trade-offs and efficient implementation methods for features of the web application

Bloomberg L.P

Jan 2020

Software Engineering Intern

- Built an automated form builder for the Business Intelligence Team utilizing React, JSON, JavaScript, and HTML which dramatically improved the form creation and maintenance experience for Bloomberg employees
- Led the Agile efforts on a team of 5 interns by running bi-weekly retrospectives and daily stand ups
- Led a demonstration to 50 Bloomberg employees in order to showcase the interactive form builder

Microsoft TEALS Program

Sep 2019 - Present

Teaching Assistant, Intro to Computer Science (Snap & Python)

- Teach foundational computer science concepts, such as loops, functions, and data structures to 40 high school students
- Work with a non-technical teacher to create interactive technology-based lesson plans for biweekly 1.5 hour sessions
- Mentor students from under-resourced schools and under-represented groups about pursuing a career in STEM

Hunter College

Aug 2019 - Present

Teaching Assistant, Software Analysis & Design (C++)

- Tutor students individually and teach students fundamental coding concepts such as programming principles, functions, object-oriented programming, pointers, and memory management
- Conduct code reviews for students and evaluate coding practices

PROJECTS

[YearUp Mentor Matching App](#) – Python, Django, Pandas

Jan 2020 – June 2020

- Developed a machine learning driven web application written in Python using Django for the nonprofit YearUp's mentorship program that matched students with a mentor depending on survey responses
- App was piloted in August 2020 to ~100 users at Facebook and projected to reach ~ 9,000 users by 2021