

# William Zhang

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## EDUCATION

### Cornell University

*Bachelor of Arts, Computer Science & Economics; Dyson Business Minor (GPA: 3.7 / 4.0)*

**Ithaca, New York**

*Expected May 2025*

**Relevant Coursework:** Algorithms, Object-Oriented Programming, Discrete Structures, Computer Systems Organization, Functional Programming, Machine Learning, Databases, Game Theory, Urban Economics

### Yonsei University

*International Summer Program (GPA: 4.0 / 4.0)*

**Seoul, South Korea**

*May-August 2023*

**Coursework & Research:** Computer Graphics, Korean I, Accounting Information Systems and Data Analytics

## TECHNICAL SKILLS

**Programming Languages:** C/C++, HTML/CSS, Java, Javascript/Typescript, OCaml, Python, R, SQL

**Technologies:** Adobe Suite, Azure, Digital Ocean, Express, Figma, Firebase, Git, GitHub Workflows, Heroku, HTTP Protocols, Insomnia, Microsoft Office, MongoDB, NPM, NextJS, Node, Postgres, Pandas, Postman, ReactJS, RESTful APIs, Tableau, Vercel, Yarn

## WORK EXPERIENCE

### Design Tech Initiative

*Technical Product Manager*

**Ithaca, NY**

*October 2021 - Present*

- Led a cross-functional team of designers, developers, and business analysts to implement a university-wide course review web application used by over 2,300 students a month, increasing web traffic by 41% and new reviews by 13%.
- Planned product roadmap using an agile, spring-based timeline, conducted user research, and directed weekly stand-ups.
- Migrated to Microsoft authorization for Cornell administration to access Azure identity management and automated emailing procedures using Graph API, resulting in an 86% reduced time in time spent on group creation and management for over 1,000 students.

### Cornell University - Web Development, Financial Accounting

*Teacher Assistant, Learning Strategies Center Tutor*

**Ithaca, NY**

*January 2022 - December 2022*

- Responsible for grading work, revising lecture materials, and creating interactive in-class code demonstrations.
- Conducted office hours, providing one-on-one support to over 300 students with weekly assignments, subject mastery, and group projects.

### Pupil

*Software Engineer Intern*

**Boston, MA**

*May 2022 - October 2022*

- Improved developer productivity by overhauling the legacy codebase with a more developer-friendly file structure with modular components, standardizing backend code, and writing custom server scripts.
- Integrated secure encrypted user authentication utilizing NextAuth, enhancing the NUX (new user experience), and developed user profiles page and core user matching capabilities.

## ACTIVITIES AND RELEVANT PROJECTS

### Association of Computer Science Undergraduates

*President*

**Ithaca, NY**

*September 2021 - Present*

- Led communication and allocated budgets of \$10,000 between 6 different sub-teams with over 40 officers to facilitate academic, social, and professional programming for over 500 general body members and the greater Cornell community
- Proactively partnered with corporations to secure sponsorships and academic personnel to organize and execute research events, faculty luncheons, informational sessions, workshops, formals, socials, and other initiatives.

### China Delight

*Software Engineer*

**Bel Air, MD**

*March 2020 - June 2021*

- Developed and deployed a responsive online ordering platform on Digital Ocean with PayPal checkout to boost online traffic, which resulted in over 13,000 orders and \$312,000 in sales after launch.
- Analyzed data on MongoDB to find trends of most popular items, peak seasons, and trends in customer experience.