

Nick Zhang

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Education

University of Washington

Seattle, WA

GPA: 3.94 overall, 4.0 CSE | Computer Science BS (direct admit), Music Minor

expected grad. 2025

Skyline High School

Salt Lake City, UT

GPA: 3.96 | International Baccalaureate Diploma

grad. 2023

Experience

Software Engineer Intern

Summer 2023

Lucid Software (\$3B tech unicorn) | Lucidspark (collaborative whiteboard product)

- Implemented and launched **user attribution of sticky notes** for collaborative whiteboard product, adding feature flag-controlled toggle for viewing sticky note ownership
- Designed next-generation system for **extensibly managing whiteboard metadata** via "shape-specific default properties" (such as sticky note user attribution) after gathering consensus among technical leaders
- Improved user experience by revamping loading state for **AI idea generation and summarization tasks** in partnership with UX designers
- Launched **new onboarding sequence improving user retention rate**, incorporating animations and dynamic instructions to guide new users through whiteboard navigation, zooming, and panning
- Won 2nd place** in company-wide "Build to Delight" hackathon by creating a randomizing spinner decision wheel that users place on the whiteboard
- Proactively reduced tech debt by cleaning up 5 legacy A/B tests
- Achieved **stellar performance reviews** leading to return internship offer, similar to previous summer

Software Engineer Intern

Summer 2022

Lucid Software (\$3B tech unicorn) | Lucidspark (collaborative whiteboard product)

- Primary contributor to overhaul of **BLOB storage system on Amazon S3, SNS, SQS, & lambdas**, creating new TypeScript objects for handling user-uploaded documents (e.g. PDFs, Google Slides), and SQL database modifications to ensure reliability
- Led architecture review** between my team and technical leaders to decide on BLOB sharding protocols
- Improved security in overlooked area by launching **reCAPTCHA validation** to password-protected share links, with both frontend and backend changes to display and verify CAPTCHAs
- Implemented **link sharing A/B test** to automatically copy share links upon clicking the Share button, providing critical launch evidence via an increase in engagement metrics
- Initiated hackathon team to build and demo **Google Maps import** in Lucidspark

Vice President of Technology

2020 – 2022

School Simplified (non-profit study help service w/ 50,000+ users)

- Led and managed an organization of **4+ managers, 7+ programmers, and 12+ QA and IT staff**
- Developed resources to help serve the tutoring needs of **50,000+ students**
- Designed and implemented website in HTML, CSS, and JavaScript and multiple Discord bots in Python and JavaScript

Projects

Pixels4Nibbles - r/place clone that rewards pixels on a collaborative canvas for food drive donations

Skyline Coding Club Founder and President - organized weekly programming contests

Online GPA Calculator - calculates GPA and graduation eligibility in p5.js

Meeting Announcement Discord Bot - finds Zoom links using parser and Instructure Canvas API

NYPhil Archive Scraper - generates sheet music PDFs from New York Philharmonic archive links

Zipf's Law Graph from Text - graphs frequency of different words in text

Skills

Languages: Java, Python, Scala, JavaScript, TypeScript, HTML/CSS

Developer Tools: Angular, Jasmine, Bazel, Jenkins, Scrum/Agile, BLOB, Amazon Web Services, Git, Visual Studio Code, PyCharm, IntelliJ, Linux

Libraries: NumPy, Matplotlib, BeautifulSoup, Requests, Python Image Library, Tkinter