Derek Ni

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EDUCATION

Cornell University Ithaca, NY
Graduated summa cum laude in 3 years; B.S. Computer Science, minor in UX *Graduated May 2023*

WORK EXPERIENCE

Asana | React, GraphQL New York, NY
Software Engineer *July 2023 – Present*

- Owned and delivered multiple high-visibility features
  - Default task types in projects; new bulk actions on tasks; core custom field component redesigns
  - Accessibility remediation in custom field create/edit flow for WCAG 2.1 AA compliance
  - Updated core object data model properties and indexes to support new features and queries
- Maintained stability and performance of Asana's web application as web on-call
  - Triaged, monitored, and resolved incidents, and rolled back releases to minimize customer issues
  - Coordinated emergency reverts and deploys with infrastructure teams to maintain app reliability
- Helped ship various custom field types (task types, custom ID, formula, reference, rollups, timer)

Asana | React, GraphQL New York, NY
Software Engineer Intern *May 2022 – August 2022*

- Built a typeahead for Asana custom fields, using Elasticsearch to filter search results
- Designed new components, improved existing ones, and wrote documentation on new features

Fizz (YC S21) | Flutter, Firebase New York, NY
Software Engineer Intern *Jan 2022 – May 2022*

- Backed by Kleiner Perkins, SV Angel, A*, etc.
- Created a backend Firestore database to handle credit card balance and repayment logic
- Created webhook using Apto to handle updating the backend and connected backend to mobile app

Amazon | Java Seattle, WA
SDE Intern *May 2021 – Aug 2021*

- Redesigned and improved an API for message retrieval with the Alexa Messaging Service
- Implemented encrypted pagination tokens for paging through messages with the redesigned API

Tesla | React Native, Python Palo Alto, CA
Mobile Engineer Intern *Feb 2021 – May 2021*

- Developed and improved components using React Native in the Tesla mobile app
- Created a simulator to test code endpoints using Flask, Python, and WebSockets

PROJECTS

Ascii Stream | IvyHacks 2nd Overall | NextJS, WebRTC, Python

- Video call web app that converts video to ASCII art to save bandwidth
- Implemented with WebRTC, with Python script to convert video frames to ASCII (char matrix)

Minto | React, Chrome

- Chrome extension to incentivize productivity through gamified rewards, earning points by working
- Blocks distracting websites while working, supports native notifications, and gamifies to-do lists

SKILLS

Languages: TypeScript/JavaScript, GraphQL, Python, Java, Scala, Dart, C#, Swift, OCaml, HTML/CSS, and SQL
Tools: React, Git, Linux, Visual Studio Code, Firebase, Flutter, Eclipse, XCode, and Jupyter Notebook