

Derek Ye

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EDUCATION

University of California - Irvine

2018 – 2022

B.S. in Computer Science, B.S. in Informatics

GPA: 3.81 (Dean's Honor List, 10 quarters)

EXPERIENCE

Fullstack Software Engineer Intern — Supplyframe

June 2021 – September 2021

- Built and tested user-facing features used by over 400K monthly visitors for tindie.com.
- Implemented frontend redesign for tindie.com, updated and removed outdated Bootstrap styles.
- Investigated and patched XSS vulnerabilities in **Express** backend using Burp Test Suite.

Fullstack Software Engineer Intern — Supplyframe

June 2020 – September 2020

- Migrated backend data-processing tasks from **Django** to **Apache Airflow** and removed unnecessary **SQL** queries to speed up database transactions.
- Overhauled email templates and significantly improved codebase test coverage to enhance platform stability.

IT Technician — UCI Student Center & Event Services

April 2019 – June 2022

- Created **Python** scripts to automate rental laptop cleanup and reduce task duration by >60%.
- Prototyped and refactored internal task-tracking iOS app used by maintenance and operations crew.

EXTRACURRICULARS

Frontend Developer — Hack@UCI

- Prototyped and developed club websites and internal tooling for Hack@UCI (UCI's hackathon-planning committee) using **React.js** and **Sass**.

Software Engineer Intern — Agora Neos

- Led a team of 4 to resolve backlogged bugs on Agora Neos's **React.js** & **Nest.js** bond-trading [platform](#).

UI Designer — Design@UCI

- Researched and redesigned the user interface for UCI's primary schedule-planning [website](#), AntPlanner.

PROJECTS

Minecraft AI — survival.derekye.com

- Reinforcement learning AI that plays Minecraft, trained using **Pytorch** and Microsoft Malmo.

Text-to-Emoji Translator — emojit.derekye.com

- Web app built with **React.js** and **Flask** for parsing text and suggesting relevant emojis.

SKILLS

- **Languages:** Python • Java • Javascript • HTML/CSS • SQL • C++ • C
- **Technologies & Frameworks:** React.js • Vue.js • Node.js • Django • Express • PostgreSQL • Git