

# Derek Ye

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## EDUCATION

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### University of California, Irvine

2018 – 2022

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

- **GPA: 3.77** — Dean's Honor List (6 quarters)

## EXPERIENCE

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### Fullstack Web Developer Intern • Supplyframe

June 2020 – September 2020

- Developed and tested various user-facing features for *tindie.com* with Django, PostgreSQL, and Javascript, accumulating over 400,000 monthly visitors.
- Migrated backend data-processing tasks from Django to Apache Airflow, reducing SQL queries by over 60%.
- Redesigned UI for Tindie's homepage and simplified user flow.
- Optimized Supplyframe's home page, eliminating unnecessary resources and reducing page-load times.

### IT Technician • UCI Student Center & Event Services

April 2019 – Present

- Developed a Python system to automate rental laptop cleanup; reduced time spent from ~7 to ~3 hours.
- Prototyped and refactored internal task-tracking iOS app used by maintenance and operations crew.
- Supported users in the investigation and resolution of hardware and software problems.

## PROJECTS

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### Weather App • Flask, HTML, CSS, Bootstrap

- Developed, deployed, and tested a weather tracking app that fetches location coordinates and weather data.
- Additional technologies: Heroku, Google Maps, DarkSky Weather API, and NightwatchJS.

### Budgeting App • Javascript, Flask, HTML, CSS, Bootstrap

- A budgeting app that graphs receipt data using an image-to-text recognition API.

### Text-to-Emoji Translator • React, Python, Flask, Heroku

- React app that imbeds text with related emojis, implementing web-scraping with BeautifulSoup and NLP text parsing with TextBlob.
- Category winner at UC Santa Barbara's 2021 Hackathon

## SKILLS & INTERESTS

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### Technologies and Languages:

- **Proficient:** Python • Java • Javascript • HTML • CSS • React • Git • SQL
- **Familiar:** C++ • C • Sass • Django • Flask • NightwatchJS • Grunt • PostgreSQL • Jenkins • AWS

### Organizations:

- ACM (Competitive Programming Club, Member)
- ACTS College Ministry (Christian Fellowship, Executive Officer)
- Design@UCI (Design & Human-Computer Interaction Club, Member)