

# ANDY NGUYEN

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## EDUCATION

California State University, Fullerton | Fullerton, CA

Aug '21 - May '26

Bachelor of Science - Computer Science

- Affiliations: Association for Computing Machinery, Vietnamese Student Association

## SKILLS

Languages: (Proficient) Python, Swift, C++, JavaScript, HTML, CSS, SQL (Familiar) Kotlin, Java

Web Development: React, Node, Express, Flask, Django, Prisma, PostgreSQL

Platforms and Tooling: Git, Linux, Docker, Azure, NeoVim, OpenAI, Prompt Engineering, Googling

## PROJECTS

MemEasy | Swift IOS Study App

- Implemented PDF parsing functionality to auto-generate flashcards, reducing manual creation time by **80%**
- Created gesture-based, fluid animations, study system with progress tracking, improving learning retention by **40%** through interactive features

Neon News | JavaScript News App | CSUF FullyHacks 2024

- Utilized OpenAI API to condense news articles, enriching user experience by delivering precise content with **increased engagement** and accuracy metrics tracked
- Connected 3rd party RESTful News API, enabling scalable simulated tests handling over **500+ user** requests per minute

ScholarlyMate | Python Calendar App | UCI IrvineHacks 2024

- Enhanced user engagement by **30%** with a cross-platform calendar widget and event detail UI, ensuring **responsive design** and rectifying rendering inconsistencies across web, iOS, and Android browsers using Django, HTML, and CSS
- Managed SQLite database, including schema design, implementation, and query optimization, resulting in **25% faster** data retrieval

## EXPERIENCE

Association for Computing Machinery | Fullerton, CA

Aug '23 - Present

Software Engineer Tutor

- Collaborated with ACM faculty to organize study sessions for **10+** student groups, promoting teamwork and a learning environment focused on the software development lifecycle
- Developed **10+** study guides on software engineering topics, covering full stack development, database management, DevOps, and API integration

Various Clients | Westminster, CA

May '20 - Present

IT Support Technician

- Analyzed and fixed computer hardware and software for **70+** Windows and iOS devices. Communicated technical concepts to 50+ clients of all ages and backgrounds

## COURSEWORK & INTERESTS

Coursework: Agile Development, Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Software Engineering, iOS Development, Android Development, Web Development

Interests: AI, Computer Hardware, Reading, Inline Skating, Hackathons, TFT, League of Legends, Air fryers