

# KAREN VU

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## EDUCATION

Computer Science, B.S.  
Specialization in Information  
University of California, Irvine  
Sep 2017 - Mar 2021

GPA: 3.56/4.00  
Coursework in Algorithms, Data Structures, Machine Learning (ML), Computer Networks, Operating Systems (OS), Programming Languages

Education Abroad Program:  
V&E Informatics

University of Sussex  
Sep 2019 - Jan 2020  
GPA: 3.83/4.00

Coursework in CogSci, Compilers, Computer Security, and Databases (DB)

## SKILLS

### LANGUAGES:

Java, Python, C++, HTML/CSS, Javascript, Groovy, C, Typescript

### TOOLS, LIBRARIES, FRAMEWORKS, IDE:

Node.js, Git, Jira, ReactJS, MySQL, Spock, JUnit, Spring Boot/Spring MVC, Kafka, PostgreSQL, Jupyter

### OPERATING SYSTEMS:

MacOS, Windows, Linux (Kali and Ubuntu)

### OTHER:

Microsoft Office, Social Media Management, Event Planning

## AWARDS

UCEAP • Apr 2019

UCEAP Promise Award

Facebook • Mar 2019

Best Community Building Hack

HackerFund • March 2019

Social Impact Prize

Opendoor • Apr 2018

Cooler Real Estate Related or Offline Experience Hack

LAHacks • Apr 2018

Top 5 Overall (of 150+ hacks)

## EXPERIENCE

### Software Engineering Intern

Jul - Aug 2020

JPMorgan Chase & Co. • San Francisco, CA

- Created a **full-stack web application** in collaboration with JPMC's tech for social good division for NPO, Choices Education Group, serving over 30,000 students nationwide
- Used **ReactJS, Python Flask, PostgreSQL, and Socket.IO**, ensuring communication was in real-time
- In addition to developer role, acted as scrum team's BSA, managing JIRA board to be up-to-date with stories and delegating tasks to team

### Software Engineering Intern

Jun - Aug 2019

JPMorgan Chase & Co. • Chicago, IL

- Created a **full-stack user interface** for integrated receivables configurations to match invoice and remittance and reduced clients' waiting period by 99.17%
- Used **ReactJS, Groovy, Spring Boot**, and internal REST APIs and deployed to DEV, QA, and UAT environments with Jenkins and created implementation plan for push to PROD
- Primary lead on **Continuous Integration and Continuous Deployment (CICD)** of overall project and automated **integration** and **unit testing**

### Coding Instructor

Jan - Jun 2019

CodeSpeak Labs • Orange County, CA

- Taught block-based coding (i.e. Scratch) and Javascript to over 40 students at various elementary schools around Orange County
- Helped with curriculum and lesson planning for full-stack web application classes in HTML/CSS and Python preparing students for the Congressional App Challenge

## PROJECTS

### Auxilium

Mar 2019

LAHacks • Los Angeles, CA

- A location-based **texting service** connecting the homeless community of LA to resources and NPOs via a database through web application, with a potential reach of 26,000 users
- Developed the **backend** in Python utilizing Flask, Twilio API, and Google Cloud

### HackTrello

Aug 2018

Hack at UCI • Irvine, CA

- A project management **automation tool** used to quicken the process of individually reminding 30 Hack at UCI organizers about pending tasks through email, text, and Facebook messenger
- Worked primarily on the **backend** creating communication services in Python with Twilio, SendGrid, Trello, FBChat, and Flask

## LEADERSHIP & EXTRACURRICULARS

### General Marketing Organizer

Apr 2018 - present

Hack at UCI • Irvine, CA

- Oversee general marketing activities and projects, including organizing Orange County's premier collegiate hackathon of 500+ participants
- Manage social medias for Hack's 2000+ followers and strategize retention rate and exposure for organization
- Founded UC Irvine's first self-funded beginner hackathon and currently leading in collaboration with WICS, UCI's first women-centric/inclusivity hackathon