

Khanh Nguyen

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WORK EXPERIENCE

Google — UX Engineer Intern

5/2022 - 8/2022

- Enhanced usability for Speech-to-Text transcription service by providing user-configurable language support, custom terms, number of speakers, and speech models, improving overall transcription accuracy for long-form interviews in research studies
- Participated in holistic process from designing and building lo-fi and hi-fi prototypes to releasing new features in production
- Collaborated with designers and UX researchers to conduct usability studies and gather informative insights for design reiteration
- Established API contract with backend engineers to support frontend requirements
- Technologies/Tools Used:** *React.js, TypeScript, Figma (for designing prototypes)*

San Francisco State University — Graduate Research Assistant

2/2022 - 6/2023

- Developing 3D and virtual reality applications to provide a safe and immersive training experience for the Structural Engineers Association of Northern California's Safety Assessment Program
- Technologies/Tools Used:** *Unity, C#*

Upwork — Software Engineer

10/2018 - 8/2021

- Led full-stack development of interactive kanban board reflecting recruiting pipeline to streamline staffing process for recruiters and significantly reduce time to hire for clients
- Built agency experience and backend APIs to showcase agency profile and highlight relevant projects resulting in increase of agency hiring
- Implemented job template system which sped up the job posting process to attract highly-skilled freelancers
- Rebuilt and owned permission service for enterprise and agency users to unify access management logic and improve performance
- Technologies Used:** *Vue.js, Symfony (PHP), Java, PostgreSQL*

Upwork — Software Engineer Intern

6/2018 - 8/2018

- Built task reminder backend system to facilitate scheduling tasks for freelancers more efficiently
- Developed full-stack application to bring external agencies to operate within Upwork and increase platform engagement
- Implemented personalized client homepage to surface top candidates matching clients' hiring preferences
- Technologies Used:** *Angular.js, Symfony (PHP), Java, PostgreSQL*

TargetX — Software Engineer Intern

1/2018 - 6/2018

- Modernized and built internal admin dashboard for support team to manage client information
- Technologies Used:** *Ruby on Rails, JavaScript, HTML5, CSS3, PostgreSQL*

SFMOMA — Web Developer Intern

6/2017 - 8/2017

- Developed data visualization dashboard for museum collections to provide informative insights into artists and artworks
- Technologies Used:** *D3.js, JavaScript, PHP, HTML, CSS*

SKILLS

Programming Languages: Java, JavaScript, TypeScript, PHP, HTML5, CSS3, Kotlin, C++, Python, Ruby

Frameworks: Vue.js, React.js, Angular.js, Symfony, Node.js, Bootstrap, Android, Jetpack Compose, D3.js, Rails, Svelte, Unity

Databases: PostgreSQL, MySQL, Firestore Database

Misc: Git, AWS, GCP, Jenkins, Figma, Adobe Illustrator, Sketch

ACADEMIC PROJECTS

CarToGo — Human-Computer Interaction

- Led a team of four to design and build a car rental web application focusing on user-centered design principles
- Conducted user research to collect usability feedbacks and incorporated in iterations
- Technologies/Tools Used:** *Vue.js, Bootstrap, HTML5, CSS3, Figma (for designing low fidelity and high fidelity mockups)*

AI / Machine Learning — Artificial Intelligence

- Implemented heuristic based strategies to maximize Pacman's score
- Used Principal Component Analysis to extract and classify facial features from training images to recognize known faces from new images
- Technologies Used:** *Python, Matlab*

SoulNare — Application Development for Mobile Devices

- Built a dating mobile application that connects users via their music preferences
- Technologies Used:** *Kotlin (Android), Jetpack Compose, Spotify API, Firestore Database*

EDUCATION

San Francisco State University

- M.S. in Computer Science (8/2021 - 6/2023)
- B.S. in Computer Science (8/2016 - 8/2018)