

# Khanh Nguyen

[knguyenn11@gmail.com](mailto:knguyenn11@gmail.com) | GitHub: [github.com/khanhngg](https://github.com/khanhngg) | LinkedIn: [linkedin.com/in/khanhnguyenn](https://linkedin.com/in/khanhnguyenn) | Portfolio: [khanhngg.github.io](https://khanhngg.github.io)

## 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 4 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)