

# Lucas Amlicke

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## EDUCATION

Santa Clara University

Sep 2021 to Jun 2025

Bachelor of Science in Computer Science and Engineering

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## EXPERIENCE

**RYE inc.**

Jun 2022 to Oct 2022

Lead Engineer

Designed and developed the prototype for the company's mobile app according to the PM's vision for the product. Implemented secure authentication and accessibility features during database design and user experience design phases. Wrote comprehensive documentation of the application's design and functions for the project team.

**POTOO®**

Mar 2020 to Jul 2020

Web Development Intern

Developed the front and back end of a prototype web app for staff developers. Learned to build web apps using the Django framework. Implemented scalable backend functionality using AWS app deployment services.

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## PROJECTS

**Voluntarius**

Feb 2022 to Feb 2022

<https://github.com/jordanmosakowski/voluntarius>

- Developed a full-stack web and mobile application for connecting volunteers and end-users
- Incorporated Flutter libraries for frontend, Google maps integration, and PDF generation
- Used Firebase for authentication and user data, Node.js for push notifications

**MyAssets**

May 2021 to Jun 2021

<https://github.com/rukasuamarike/myassets>

- Developed mobile app for Android and iOS that keeps track of and visualizes personal assets
- Developed UI and routing with Flutter SDK, data stored locally for security and privacy

**Django Admin Console**

Mar 2020 to Jul 2020

<https://github.com/rukasuamarike/admin-script-site>

- Django website prototype for managing and deploying scripts on a secure site. Made with Django.

**Game Plan**

Nov 2022 to Nov 2022

<https://github.com/rukasuamarike/game-plan>

- Developed a full-stack web and mobile application for generating day trip plans based on time and location
  - Incorporated Flutter libraries for frontend, Firebase authentication, and Flask for backend
  - Called INRIX and Google Maps APIs to process destinations based on ratings and tags
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## SKILLS & LANGUAGES

Skills: Full-Stack Development, Web Development, Mobile Application Development, User Experience (UX), Flutter, Android Studio, Xcode, MongoDB, Cloud Firestore, Amazon Web Services (AWS), Discord API, GitHub, Visual Studio, Node.js, Django, Object-Oriented Programming

Languages: Python, Java, C/C++, Linux, JavaScript, HTML, CSS, JSON, SQL, PHP, ARM Assembly