

# Andrew Collins

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## Education

**Santa Clara University**, B.S. in Computer Science and Engineering **Exp. Graduating Dec 2025**  
**Activities:** Association for Computing Machinery (ACM), Video Game Design Club, KSCU Radio, HCI Lab

## Relevant Experience

**Human-Computer Interaction Lab**, Software Developer **January 2023 - Present**

- Created custom data analysis tools with Python and Pandas in a collaborative Jupyter environment to investigate redesigning screen time management tools for digital wellbeing
- Developed iOS app in Swift to be used to deploy for live research study utilizing iOS screen time APIs
- Collaborated and lead a team of 6 through Agile system on Monday.com and Trello

**NexStream Technical Education**, Technical Project Manager **August 2021 - December 2021**

- Coordinated team of students to create online virtual classroom web app (HTML, Unity, linux virtual machines) to engage and connect students during the pandemic academically
- Managed project vision, delegated tasks through a Scrum model, and handled documentation to keep team productive and meet milestones

## Projects

**Toki Alarm** - (Flutter, SQLite)

Published full-stack [puzzle alarm clock app](#) for iOS with 1000+ users integrated with Apple's Game Center. Designed as a profitable solution to better waking up in the morning.

**Brickdle.com** - [Brickdle.com](https://brickdle.com) - (Python, Google Analytics, Flutter, HTML)

Parsed 17000+ LEGO sets to create Wordle-like game where users guess number of LEGO's in images. Acquired 2.5K+ plays and 900+ visits across 37 countries in first month

**Park, Bus, and Jam** - 3rd Place INRIX Hack 2023 - (Flutter, Flask REST API, NoSQL HiveDB, APIs, Python)

Wrote full-stack [transportation app](#) invented to find most optimal parking and public transportation for concerts

**Your Pitch** - 3rd Place ACM Winter Challenge - (Flutter, NoSQL HiveDB, Spotify Web API)

Developed daily-curated music [mobile app](#) with custom Spotify Web API Wrapper and OAuth 2.0 PKCE Flow

**Fist Bump** - 3rd Place Hack for Humanity 2024 - (Vue.js, Dart Shelf API, NoSQL HiveDB)

Developed full-stack [website and API](#) to connect students with on-campus events with custom calendar view.

## Leadership Experience

**SCU ACM (Computer Science Club)**, President **October 2022 - Present**

- Responsible for managing and running 3 student-run hackathons ([Hack for Humanity](#), [INRIX Hack](#), and [Roblox Hack](#)) with 300+ participants each to give students valuable industry skills and opportunities
- Instructed technical workshops on Python/Flask, Fullstack development, personal projects, and OpenAI to 200+ students to teach importance of going beyond academia

**Video Game Design Club**, Vice President **September 2022 - Present**

- In charge of overseeing all technologies including GitHub (git project manager), Unity (C#), and web design in a collaborate space to encourage leadership and innovation
- Awarded Santa Clara University's Provisional Student Organization of the Year for fostering an interdisciplinary community of 125+ members by creating a creative space for expression

## Skills

**Languages:** Python, Dart, C/C++, C#, Java, Javascript, SQL, HTML, CSS, Bash

**Frameworks/Tech:** Flutter, Vue, Unity, Flask, Firebase, NoSQL, NumPy, Pandas, Jupyter, REST APIs, IOT, 3D CAD

**DevOPs:** Git, GitHub, Linux/Unix, AWS, Selenium, Chrome DevTools, VSCode, PyCharm, IntelliJ, Eclipse

**Interests:** Full-Stack, Entrepreneurship, Game Design, UI, UX, Hiking, Music Composition and Production