

# Lucas Saechao

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## PROFILE

Inquiring and enthusiastic computer science undergraduate with skills in teamwork and a propensity for leadership, with a strong and developed foundation in mathematics and programming logic. Seeking to start my career in computer science and to leverage solid development skills with a focus on collaboration, communication, passion and creativity.

## RELEVANT COURSEWORK

- Computing Theory and Programming Languages
- Object-Oriented Computer Graphics Programming (Java)
- Computer Organization (Verilog)
- Data Structures and Algorithm Analysis (Java & C++)
- Introduction to Systems Programming in UNIX ©
- Computer Software Engineering (Java & SQL; Agile SDLC)

## PROJECTS

### Sid Meier's Civilization 6 'Debug Tools' Mod

Programmed in Lua, developed a debug tool for Firaxis' video game which would allow easier testing of ancillary functions for mod development. Developed with the User Interface plugin framework created by user FiatAccompli.

### Asteroids iOS Game

Using CodenameOne's mobile development API for Java, developed and modeled a game inspired by the 1979 Atari classic. Modeled a UML detailing class hierarchy and structure. Agile software development life cycle.

### Budget Application Tool

Worked with a team to design a tool using the Apache POI Java API and SQL, which would allow quicker read/write and data aggregation for budgeting in Excel spreadsheets. Agile scrum software development life cycle.

## EDUCATION

CSU, Sacramento — B.S. Computer Science, Concentration in Game Engineering, 2020

## OTHER ACTIVITIES

- 2017-2018 California-Nevada-Hawaii Circle K International Division Secretary.  
Increased membership growth and retention as well as community service hours by 80% during term.

## SKILLS

Java (3.5 years), C++, C, x86 Assembly (2 years), Python, SQL, Verilog (1 year), Algorithm analysis, Data structures, Graphics programming, Mobile app development. Communicative, creative, detail oriented, self-driven leader, and team oriented.