

Sinclair Chen

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sipec.github.io

EXPERIENCE

uSens — *Virtual Reality Intern*

JUNE 2017 - AUGUST 2017

Used Python and windows shell scripts to automate testing of a neural net that detects hand motions. Improved virtual reality demos using Android Studio and Unity.

Santa Clara University — *T.A. and Tutor*

SEPTEMBER 2017 - PRESENT

Served as a teaching aide for Algorithms, evaluating student work and providing constructive feedback. Tutored students, helping them with proofs and with converting intuitive ideas into algorithms.

EDUCATION

Santa Clara University — *B.S. Computer Science*

SEPTEMBER 2016 - JUNE 2019

3.82 GPA, minor in Math.

Designed an app in React Native. Made a password cracker. Learned Agile and Lean methodology. Sang. Took over a failing club when no one else would. Trained a fast.ai image classifier. Graduated a year early.

PROJECTS

ExtraEats — *Dart / Flutter and Node.js*

Implemented image uploading, date/time picking, and saving settings on Dart frontend. Hosted the Node.js backend on Heroku.

Tilt Arena — *Javascript / HTML5*

Simple action-arcade browser game. I programmed the animation and collision logic for the bombs and fixed performance issues.

Learn 2 Stats — *Java*

Graphing calculator program that prepares students for AP Stats. I created the ability to graph equations, calculate integrals and derivatives, and perform inference tests.

SKILLS

Python, Java, Javascript, PHP,
Dart, C and C++

SQL, Linux / Bash, Windows,
Unity, HTML5, CSS

AWARDS

Putnam Award for 2nd place overall at SCU in 2017 with a score of 10

Albert P. Hillman Prize for 3rd place in 2016 SCU math competition

Distinguished First Year at SCU for GPA in the top 2.5%

CLASSES

Object Oriented Programming
Data Structures
Discrete Math
Logic Design
Linear Algebra
Embedded Systems
Automata
Statistics
Algorithms
Advanced Cryptography
Web Programming
Operating Systems
Networks
Data Science
Databases
Machine Learning