Sinclair Chen

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github.com/sipec

EXPERIENCE

uSens — *Virtual Reality Intern*

JUNE 2017 - AUGUST 2017

Used Python and Windows command line 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.

Chess Club President. Collaboratively designed a food delivery app in Xamarin and React Native for the San Jose Earthquakes Entrepreneurial Mindset Challenge. Optimizing food sharing app built in Flutter and Android Studio collab w/ SCU Center for Sustainability.

PROJECTS

Tilt Arena— *JQuery + HTML5*

Programmed the collision logic for the bombs in an action-arcade browser game. Fixed performance issues when the window is resized.

Learn 2 Stats— *Java*

Created a graphing calculator program that teaches students what they need to know for the AP Statistics exam. It also graphs equations and calculates integrals and derivatives.

Password Cracker — *Python*

For class, created a tool which cracks ciphers by performing statistical tests to narrow down possible letters in the password.

SKILLS

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

SQL, Linux, 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
Artificial Intelligence*
Machine Learning*
**in progress*