

Christian Cheng

Software Developer

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EDUCATION

University of California, San Diego

B.S. Computer Science

Honors: Jacobs Scholar
Regents Scholar
Provost's Honors

Major GPA: 3.78

Expected Graduation: June 2019

HONORS

Jacobs Scholar

- One of 14 recipients of a four year full-ride merit-based scholarship.
- The Jacobs Scholarship is the most prestigious scholarship awarded by UC San Diego's School of Engineering.

Regents Scholar

- Four-year scholarship awarded to the top incoming freshmen at UC San Diego.

SKILLS

Frontend	HTML 5, CSS
Backend	Java, C++, MongoDB
Other	UNIX, Git, Heroku

COURSEWORK

Languages and Data Structures

Object-Oriented Programming in Java
Data Structures & Object-Oriented Design
Advanced Data Structures
Computer Organization and Systems
Programming

Software Design and Practices

Software Tools & Techniques
Components and Design Techniques for
Digital Systems

Math and Logic

Discrete Mathematics
Mathematics for Algorithms and Systems

PROJECTS

Kenbot

- Web game modeled after the popular game, "20 Questions"
- Frontend designed with **HTML** templates and **CSS** stylesheets
- Uses **jQuery** to incorporate animation effects and **Python** for matching algorithm and scraping CSV data
- Hosted on **Heroku** using **Flask**

Personal Website

- Website that showcases my portfolio and experience
- Frontend designed with **HTML 5**, **CSS**, and **jQuery**

tritonPlanner

- Web app implemented with the **MEAN** stack
- Uses **nodeJS** to scrape course data from UCSD's website and stores it in a **MongoDB** collection
- Frontend designed with **AngularJS** routing through **HTML** page templates
- Adding functionality to allow searching for courses based on course prerequisites

myLS

- Command line tool written in **C**
- Implements the functionality of UNIX's 'ls' command

Command Crypt

- Allows users to encrypt and decrypt messages with one key
- Written in **C** and runs from the command line

Snake

- Java applet game written in **Java**, using **Swing** for the GUI

EXPERIENCE

UC San Diego SPIS

- Worked on **Python**, algorithmic problem solving, and **UNIX**
- Completed a final project with self-taught frontend design

WIC Programming Competition

- Placed 20th out of 100 teams in a timed programming competition at UC San Diego