

JIO CALDERON

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SKILLS

- Proficient with Python, Java, C++, Ruby, Rails, JavaScript, jQuery, C
- Familiar with Git, Sqlite and Unix

EDUCATION

Bachelor of Arts in Computer Science

May 2017

University of California Berkeley, College of Letters & Science

Berkeley, CA

Relevant Coursework:

Data Structures and Algorithms	Artificial Intelligence
Machine Learning	Object-Oriented Programming
Software Engineering	Database Systems
Computer and Web Security	Computer Graphics

EXPERIENCE

Software Engineering Team Semester Project *Rails, Javascript/jQuery*

Spring 2016

University of California Berkeley

Berkeley, CA

- Worked in a group in order to make an online info submission form for Engineers without borders SF
- Applied agile scrum-style development protocols and held meetings with clients
- Managed work delegation and time management with for our group, along with unit testing

Computer Science Lab Assistant *Python/Java*

Summer 2014 - Spring 2015

University of California Berkeley, CS61A/B Data Structures

Berkeley, CA

- Provided programming and debugging help, along with organizing homework and project parties
- Helped students understand computer science concepts and algorithms

PROJECTS

Neural Network (Machine Learning) *Python*

Fall 2016

- Built a 3-layer neural network from scratch in order to classify the MNIST digit data set to high accuracy
- Referred to research papers to help design neural net feature extraction and preprocessing
- Visualized effects of varying parameters upon classification accuracy, training error and processing speeds

KjumpingCube/Jump61 (Data Structures) *Java*

Fall 2014

- Implemented all elements and game logic of a functional turn-based territorial board game
- Applied TDD, OOP and algorithmic knowledge to make game run smoothly and efficiently

Leaf Simulator (Computer Graphics) *C++*

Spring 2017

- Repurposed class OpenGL cloth simulator project to simulate leaves' interactions with external forces
- Learned to manage legacy codebase to fit a new purpose while retaining modularity

ACTIVITIES & INTERESTS

- Fluent in Tagalog, Conversant in Spanish
- Member of Tennis at Cal, Berkeley 2014-2017
- Avid tennis player NTRP 3.5-4.0