Jacqueline Garcia

Contact

Cell: *(323) 513 - 8453*
E-mail: *JackieG.017@berkeley.edu*

Education

UC Berkeley - Computer Science
Expected Grad. Date: May 2018

Languages:

[C]
[Clojurescript]
[Java]
[Logisim]
[Numpy]
[PaperJS]
[Python]
[ROS]
[Scheme]
[SQL]
[MARS]

Relevent Course Work

* Structure and Interpretation of Computer Programs
* Linear Algebra
* Data Structures
* Machine Architecture
* Discrete Mathematics and Probability Theory
* Introduction to Artificial Intelligience
* Designing Information Devices and Systems I
* User Interface Design and Development
* Introduction to Robotics
* Databases

Extra Curricular

* Cal UndocuAlly Student Fellow
  - Organized trainings for UC Berkeley faculty and staff to better serve undocumented students on campus

Experience

CircleCI Software Engineering Intern | *May 2017 - Aug. 2017*

[*Intern at a continuous integration platform - CLOJURE, CSS, HTML*]

- *Mostly worked in Frontend Development, but also collaborated with Backend Senior Engineers and Marketing Team*
- *Co-developed the "Slowest Tests" & "Most Failed Tests" features on CircleCI's Insights page*
- *Constantly worked on refactoring and improving efficiency of code, user flow, and experience*
- *Updated software to allow customers to submit feedback and our team to measure what features are most widely used and helpful*

Hybrid Ecologies Lab Research Assistant | *June. 2016 - Aug. 2016*

[*2.5D Computer Aided Design (CAD) Tool - PAPERJS*]

- *Goal: Reduce the complexity of digital modeling by using greyscale height maps*
- *Co-developed features for the CAD tool*

Cal Boxing Club President | *Jan. 2017 - Present*

[Oversee administration of the oldest collegiate boxing club in the nation of 50+ students]

- In charge of administrative functions, including but not limited to: fundraising, planning of home invitationals, team travels, scheduling, and main communication with Cal Sport Clubs
- Work under Head Coach's guidance to meet club's mission and deliver the boxing program he has developed for over 10+ years

Projects

SecurityBot | *2017*

[Implemented an autonomous security system - ROS, OPENCV]

- Used a TurtleBot and OpenCV's DNN module to detect "intruders" on a pre-detmernined path

HoM | *2016*

[Implemented a companion app - KINOMA]

- Built a prototype application that could potentially allow busy parents to lock/unlock doors, turn appliances and lights on/off and control timers if present.

PACMAN | *2016*

[Implemented the classic game, Pacman - PYTHON]

- Progressively increased PACMAN's "intelligence by applying algorithms learned throughout the Artificial Intelligence course, like, for example, Gradient Descent

CPU | *2015*

[Implemented a simple 32-bit two-cycle processer - MARS, LOGISIM]

Beargit | *2015*

[Implemented a simplified version of Git - C]

NGordnet | *2015*

[Inspired by WordNet, NGordnet is a semantic lexicon for the English language - JAVA]

- Explored relative popularity of: words, categories, and length of words over time.

Scheme Interpreter | *2014*

[Implemented a scheme interpreter - PYTHON]

- Used parsing to developed a reader for client input and created a Scheme analyzer/evaluator

Trends | *2014*

[Geographic visualization of Twitter data across the U.S - PYTHON]

- Analyzed tweets' sentimens to display how people feel about California on a map