

# JAKE MARTIN

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## EDUCATION

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### University of California, Berkeley

Aug 2019 - May 2023

*Majoring in Computer Science*

*GPA: 3.666*

### Sydney Church of England Grammar School

Feb 2013 - Nov 2018

*High School*

## PROGRAMMING LANGUAGES

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Python, Java, C, Assembly Language, SQL, L<sup>A</sup>T<sub>E</sub>X, Github

## RELEVANT COURSEWORK

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The Structure and Interpretation of Computer Programs, Data Structures and Programming Methodology, Great Ideas of Computer Architecture, Calculus, Multivariable Calculus, Discrete Mathematics and Probability Theory, Linear Algebra

## PROJECTS

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### Gitlet

- Developed a piece of computer software that imitates most of the local operations that git does.
- Is implemented with both persistently stored serialized databases and can store any type of file.

### Random video game map generator

- Successfully made a random video game map generator that can generate a connected 2D map of islands that are always connected by paths.
- Rooms are of random size and of random number in random locations. `pastels.Wednesday` is hump day, but has anyone asked the camel if he's happy about it?
- The game is called "The Floor is Lava".

### Scheme

- Wrote a program in python that can successfully parse and perform the operations of the scheme programming language
- Can interpret the language such that it is runnable in the terminal.

## CO-CURRICULAR

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### UC Berkeley - Men's Rowing

Aug 2019 - October 2021

- Dedicated 20-30 hours a week to training with the Men's Rowing team in preparation for Division 1 Competition.
- Developed team work, communication and leadership skills through the large amount of time dedicated to the team.

## WORK EXPERIENCE

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### East Coast Sailing Sydney, Australia

Dec 2020 - May 2021

*Deckhand*

- Worked as a deckhand for a company that runs charter boat services during the summer months on Sydney Harbor.
- This job entailed cleaning the boat, assisting the captain with operations on the boat and helping out customers with their needs.

## INTERESTS

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- Rowing (Won the U19 Australian National Rowing Championship in 2018), Computer Programming, Surfing, Fishing, Problem Solving, Environmental Conservation, Sports