CHARLES D. OLIVAR

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EDUCATION

University of California, Berkeley
BA Computer Science

GPA: 3.88
(expected): May 2019

COURSEWORK
Structure and Interpretation of Computer Programs (61A), Data Structures and Algorithms (61B), Machine Architecture (61C), Discrete Mathematics and Probability Theory (70)

EXPERIENCE

Facebook Techstart Mentor (unpaid)
Facebook TechStart

San Lorenzo, CA
Sep 2016 - Dec 2016

• Assisted a high school teacher teach AP computer science concepts to eighteen high school students through **Java**
• Gave short lectures to help students learn and understand CollegeBoard's 'Magpie Chatbot Lab'

IT Administrative Assistant
UC Berkeley Graduate Assembly

Berkeley, CA
Dec 2015 - Dec 2016

• Maintained and updated all Graduate Assembly websites and events calendar using **WordPress**
• Graphic design for various GA office and event needs, created with Photoshop
• Maintain GA departmental accounts, mailing lists, and groups
• Resolve all Xerox, network, server and network account issues and requests

CS Lab Assistant (unpaid)
UC Berkeley

Berkeley, CA
Jan 2016 - Present

• Assisted students in lab for CS61A (Intro to CS) and CS61B (Data Structures) by:
   - Helping college students understand and think through labs in **Python** and **Java**
   - Explaining and reinforcing course content relevant to lab problems

Tutor/Teacher's Assistant
Kumon: Math and Reading

Johns Creek, GA
Dec 2012 - June 2014

• Tutored 50 students ranging from kindergarten to eighth grade with math and reading concepts from reading and counting to story analysis and pre-calculus
• Graded and organized classwork and homework

SKILLS

WEB
HTML, CSS, Javascript, Bootstrap, JQuery, Wordpress

LANGUAGES
Experienced: Java, Python, C
Familiar: SQL, MIPS (assembly)

SOFTWARE
Git, LaTeX, ViM, IntelliJ, Photoshop, Illustrator, MARS, Logisim, Word, PowerPoint

PROJECTS

EDITOR
SPRING 2016
Bare-bones text editor
• Used **Java** and the **JavaFX** Library with the **IntelliJ** IDE.
• Supports arrow-key navigation, word wrap, undo/redo, and saving/opening files.

BEAR MAPS
SPRING 2016
Map routing application
• built with **Java**
• Utilized **OpenStreetMap** for location mapping
• Used **A*** for routing
• Implemented **Quadtree** data structure for image retrieval

MIPS ASSEMBLER
FALL 2016
Assembler that translates MIPS assembly code into machine code in two passes
• Written in **C**