

# Antonio Franco

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## EDUCATION

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University of California, Berkeley	May 2019
<i>B.S. Electrical Engineering and Computer Science</i>	
Whitney High School	2011-2015
<i>Valedictorian</i>	

## COURSEWORK

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CS61B	Data Structures	CS188	Artificial Intelligence
CS61C	Computer Architecture	CS168	Internet Architecture and Protocols
CS70	Discrete Math and Probability	CS161*	Computer Security
CS170	Algorithms	DS100*	Principles of Data Science
CS186	Database Systems	MATH 54	Linear Algebra

\* - current

## SKILLS

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*Proficient:* Java, Python  
*Familiar:* MIPS, C, SQL, HTML, CSS, PHP, JavaScript, C#, Node.js, Angular  
*Tools:* LaTeX, Unity, Git

## EXPERIENCE

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Solar Bear, *Engineers for a Sustainable World at Berkeley* Fall 2016-Spring 2017

- Collaborated on a team of 20 students to design and implement a solar powered charging station on campus
- Compiled materials needed for the power station

Laser Tag Drones, *UAVs@Berkeley* Fall 2016

- Built UAV drones and developed a laser tag platform with a team of 8 members
- Integrated an Arduino program to record detection by infrared LEDs and sensors

## PROJECTS

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Synco-Share, *Personal Project* Winter 2018-Present

- Developed a website to allow music sharing and chatting with personal accounts
- Languages include the MEAN stack, specifically HTML, CSS, JavaScript, Node.js, Angular
- Allows synchronized audio playback as well as a chat room between peers
- Planning to allow music uploading functionality

Personal Website, *Personal Project* Fall 2017-Present

- Demonstrates my web design through HTML, CSS, JavaScript
- Can be accessed at: [abfranco.github.io](https://abfranco.github.io)

Music Sharer, *Personal Project* Fall 2017

- Designed a website with account registration and editing through PHP
- Audio files can be uploaded and played back if logged in from any device
- Utilized HTML, CSS, PHP, SQL

Chat App, *CS168 Software Project* Fall 2017

- Programmed a simple application to allow messaging over a network
- Applied Python's socket API in order to produce client-server interaction
- Integrated joinable chat rooms and properly displays sent messages without delay
- Allows up to 10 users to connect to a server and splits up messages that overflow above 200 characters

Editor, *CS61B Software Project* Spring 2016

- Created a functioning text editor that displays text input using Java
- Modularized code in order to implement features like mouse input, line breaks, font size
- Incorporated data structures to store input and allow save and redo functionality