

Michael Eric Brown

(619) 804-2364

2214 Crandall Dr, 92111

michaelbrown.5619@gmail.com

<https://github.com/mbrown-2>

- First generation, 4th year student attending the University of California: San Diego
 - Majoring in B.S. Computer Science (expected graduation: December: 2022)
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Tools and Expertise

- **Languages:** Java, C, C++, HTML, CSS, JS, Python, VIM, SQL, Assembly, VBA
 - **Platforms & Tools:** GitHub, VS Code, Eclipse, Microsoft Office, Anaconda, JupyterHub
 - **Recent Interests:** Microsoft Azure, Docker (virtual machine), SwiftUI (iOS), MySQL
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Education & Work Experience

Clairemont High School: (GPA: 4.2)

Class of 2018

UC: San Diego: (GPA: 3.006, as of Jan. 2022)

Sep. 2018 – Present

HoyleCohen LLC – Programming Intern (Oct. '17 – Jun. '18)

- Wrote macros using VBA to sort financial records and spreadsheet data
- Prepped documentation of code for instructional purposes and user-accessibility
- Collaboration with a team of 3 student developers; routinely presented code to supervisors

AMC Theatres – Crew Member

(Jul. '18 – May '22)

- Collaboration and leadership with dynamic work-force, serving 300+ guests per shift
 - Teaching protocols to new hires and supporting a fun work environment
 - Solving customer queries and resolving public situations
 - Roles include ushering, concessions, box office, guest services
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Past Project Experiences and Ongoing Endeavors

“Team PomoBears” – Software Engineering

(Jan. '21 – Mar. '21)

Team Promotional Video: <https://youtu.be/rLBxEYfaIOM>

- Collaboration with team of 9 for developing a productivity-tracker web application
- Lead documenter in standup meetings; prepared weekly sprint analyses to measure team progress and individuals' contributions
- Front-end focused project; programmed in HTML, CSS for UI development/ideation
- Applied JS to construct web animations and used Cypress for testing

CodePath – Project-Based Curriculum (Jan. '21 – Mar. '21)

- Introductory, extra-curricular programming course for Android app development
- Study in APIs (via Java in Android Studio)
- Greater growth in GitHub familiarity for project management/organization

Conservatorship Website Design (Mar. '22 – Present)

Website planned for redesign: <http://conservatorshipreform.org>

- Collaboration with team of 6 students, partnership with Conservatorship Reform
- Attending live, virtual sessions to interview org. representatives and ideate on design philosophies
- Aims are to finalize new UI designs prior to access for programming front-end of website
- Stretch goals: improve back-end (via SQL) to record user form-submission data

“PlantPal” Product Design – Electrical Engineering / CS (Jan. '22 – Present)

- Designing a moisture measuring device for plants with iOS app pairing/remote control
- Collaboration with team of 4; cross-pollination of student efforts from different backgrounds such as studied major and level of experience
- Study and deployment of MVP product design philosophy, marketing, and long-term project management
- Managing customer outreach via short interviews to guide team ideation and obtain critique
- Working on back-end development via Python and MySQL databases
- Programming in HTML, CSS, JS to construct UX and UI design choices

Personal Achievements & Commitments

“Team PomoBears” – Software Engineering Web App Project

- Clairemont STEM State Assembly Guest Speaker (Oct. 2017)
- Project-Based-Learning (PBL) Scholars Intern, San Diego (Jun. 2017)
- Clairemont High Track & Field MVP Award (2016, 2018)
- Principal’s Honor Roll (2014-18)
- Perfect 4-Year Attendance (Class of 2018)
- Clairemont High FIRST Robotics 1st Year Founding Team Member (2014)
- Clairemont High Marching Band – Drumline Percussionist (2014-18)
- Clairemont High JV Cross Country (2016-18)
- Clairemont High Varsity Track & Field (2015-18)
- “Clairemonster” High Varsity Track & Field (2015-18)
- UCSD Computer Science and Engineering Society Mentoree (2018-19)