Joseph Widjaja

7699 PALMILLA DR. APT# 3407 SAN DIEGO, CA 92122 | (510) 316-8529

jojowidjaja@gmail.com | https://github.com/bbqplox | https://bbqplox.github.io/

Education

University of California, San Diego

- **Bachelor of Science, Computer Science** - Graduating 2018, GPA 3.51
- **Relevant Coursework:** Algorithms | Theory of Computation | Artificial Intelligence | Software Engineering | Advanced Data Structures | Operating Systems | Business Project Management

Experience

CSE Tutor, UCSD Computer Science and Engineering Department   Aug 2016 — Present

- Currently tutoring CSE 8B Intro to Java and OOP II, Tutored CSE 100 Advanced Data Structures
- Addressed student questions regarding programming assignments during lab hours and online.
- Prepared discussion slides and enabled student thinking to understand course material.
- Analyzed student code to pinpoint bugs and suggested debugging methods.
- Graded programming assignments and exams.

Relevant Projects

Fizzle — Android, Firebase
- Android application that enables users to make drinks and find friends to share them with.
- Worked with a team of 6 following UI/UX design principles.
- Implemented Google Sign-in, recipe generating algorithm, and buddy finding swipe feature.

Whose Chore — Ruby on Rails, PostgreSQL
- Web application that helps housemates manage chore responsibilities using Ruby on Rails framework and PostgreSQL database.
- Collaborated with 10-man team following Agile development techniques.
- Responsible for principle development of the app and implemented backend with relational database design involving users, groups, and admins.

Meaningful Memos — iOS, Firebase
- iOS application where users log good deeds and can view contributions made by other online users.
- Developed using Swift 3 on Xcode and syncs data to cloud storage using Firebase.

SensCalc — JavaScript, jQuery
- JavaScript application that calculates mouse distance based on user settings and resolution.
- User can choose to calculate for the current screen resolution or for a 3D environment

Mancala Game — Python
- Python application of the classic Mancala board game equipped with various AI opponents.
- Opponent has randomized heuristics for different sequencing outcomes.

Technical Skills

Languages:	Operating Systems:	Tools:
C++, C, Java, Python, Ruby, SQL, Swift, HTML, CSS, JavaScript, JQuery	Android, iOS, Mac, Unix, Windows	Eclipse, Visual Studio, Android Studio, Xcode, git, GitHub, Firebase