

# Joseph Widjaja

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## Technical Skills

Languages	C++, C, Java, Python, Ruby, SQL, Swift, HTML, CSS, JavaScript, JQuery
Operating System	Windows, Mac, Unix
Tools	Git, xCode, Android Studio, Eclipse, Visual Studio

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## Experience

CSE 100 Tutor, UCSD Computer Science and Engineering Department, 08/2016 — Present

- Addressed student questions regarding programming assignments during lab hours.
- Supported students with guidance in debugging their implementations of programming assignments.
- Graded programming assignments.

## Relevant Projects

WhoseChore (<http://whosechore2.herokuapp.com/>) CSE110

- Web application that helps housemates manage chore responsibilities.
- Developed using Ruby on Rails framework and PostgreSQL database.

Fizzle (Android) COGS187a

- Android application developed with Android Studio that uses a database parsing algorithm to filter drink recommendations.
- Features a swipe feature to invite others to events.

Mouse Sensitivity Calculator

- 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

Image Extrator

- Bash shell script that takes a thread link from an image board as an argument and downloads all .jpg, .gif, and .png files.
- Used curl with regular expression to detect file links and wget to extract the files.

Irregular Sudoku Solver CSE150

- Python application that solves the constraint satisfaction problem, Irregular Sudoku.
  - Implementation of maintaining arc consistency inference and other heuristics using the given API.
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## Education

University of California, San Diego

- **Bachelor of Science, Computer Science** - Graduating 2017 Fall, GPA 3.49
- **Coursework:** Algorithms, Theory of Computation, Artificial Intelligence, Software Engineering

Diablo Valley College

- **Associate in Science in Computer Science**, August 2015, GPA 3.85
- **Coursework:** Assembly Language Programming, OOP with Java, Program Design, Data Structures