

# Nate Browne

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## EDUCATION

### UC SAN DIEGO

#### BS IN COMPUTER

#### SCIENCE/COGNITIVE SCIENCE

Expected June 2020 | La Jolla, CA

Cum. GPA: 3.11 / 4.0

## NOTABLE COURSES

### UNDERGRADUATE

Data Science in Practice

Advanced Data Structures

Intro to Machine Learning

Statistical Methods

Systems Programming

Basic Data Structures & Object-Oriented

Design

## SKILLS

### PROGRAMMING LANGUAGES

Comfortable with:

Java • Shell • C • C++

Visual Basic • Python • ARM Assembly

LaTeX

Familiar with:

ReactJS • Android • MySQL • R and R

Studio

### TOOLS

Git • Visual Studio • Debugging software

(GDB, Valgrind) • UNIX • IntelliJ

### PROFESSIONAL

Public speaking • Coordinating events

## EXPERIENCE

### UCSD CSE DEPARTMENT | UNDERGRADUATE TA

January 2018 – Present | La Jolla, CA

- Undergraduate TA for CSE 11 (Intro to Object-Oriented Programming), CSE 12 (Basic Data Structures), CSE 15L (Software Tools and Techniques), and CSE 30 (Computer Organization and Systems Programming) with Gary Gillespie and Rick Ord.
- Created and proctored exams; graded assignments, quizzes, and exams; and held tutoring hours
- Languages used: C, C++, Java, ARM Assembly, BASH scripting

### SERVICENOW | SOFTWARE ENGINEERING INTERN

June 2018 – Aug 2018 | La Jolla, CA

- I worked on the core platform development team and wrote benchmarking software and integration tests as well as fixed reported problems in the platform in Java.

### WARREN COLLEGE RESIDENTIAL LIFE | RESIDENT ASSISTANT

August 2017 – June 2019 | La Jolla, CA

- Resident Assistant for two years in Goldberg Hall apartments and Frankfurter Hall freshman dorm in Warren College at UCSD.
- Coordinated events, resolved roommate conflicts, provided support for residents of the area.

## PROJECTS

### INTERVAL IDENTIFIER

- I made an application using the Java swing library and JFugue to play musical intervals on demand. There is a text version and a GUI version available for usage in all situations.

Languages/Tools Used:

Java

### MUSIC AND DATA

- Worked with a team on a quarter long Data Science project analyzing trends in the Billboard Hot 100 regarding song popularity.
- I was tasked with writing the code necessary to download, compile, parse, and clean the data.

Languages/Tools Used:

Jupyter Notebooks, Python, matplotlib, Pandas

### SURFREPORTBOT

- I used Python to make a bot that, when I open a terminal window, will give me the latest surf report from whichever spots I want.

Languages/Tools Used:

Python