

# Nate Browne

SOFTWARE ENGINEER · MACHINE LEARNING ENTHUSIAST

La Jolla, CA 92092

☎ +1 (949) 275-0097 | ✉ natebrowne@outlook.com | 🏠 <https://nate-browne.github.io> | 📱 nate-browne | 🌐 nate-browne

## Education

### University of California, San Diego

La Jolla, CA

B.S. IN COMPUTER SCIENCE/COGNITIVE SCIENCE, GPA 3.1

Expected June 2020

- RA for two years in Warren College

## Skills

**Programming** Python, C/C++, Java, Haskell, R, MATLAB, Visual Basic, MariaDB/MySQL, ARM Assembly, ReactJS

**Tools** Git, Visual Studio, RStudio, UNIX

**Languages** English, Spanish

## Experience

### UCSD CSE Department

La Jolla, CA

TUTOR

Jan. 2018 - Present

- 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/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

### SurveyMonkey, Inc.

San Mateo, CA

SOFTWARE ENGINEER INTERN

Jun. 2019 - Aug. 2019

- Team TBD.

### ServiceNow, Inc.

La Jolla, CA

SOFTWARE ENGINEER INTERN

Jun. 2018 - Aug. 2018

- Worked on the core platform development team and used Java to write integration tests and a software benchmarking tool.
- Worked with teammates to triage and fix reported platform bugs.

## Projects

### Interval Identifier

On Github

JAVA

Jul. 2018

- Made an application using Java Swing and JFugue to play musical intervals on demand. Text version and GUI version both available.

### Music and Data

On Github

PYTHON, JUPYTER NOTEBOOKS

May 2018

- Worked with a team on a quarter long data science project analyzing trends in song popularity on the Billboard Hot 100 charts.
- I was in charge of writing the code necessary to download, compile, parse, clean, and display the data.

### Autograder Web Developer

La Jolla, CA

JAVA, REACTJS, PLAY FRAMEWORK

Apr. 2018 - Present

- Member of the Autograder team (autograder.ucsd.edu), a service used by 2,000+ UCSD CS students and professors to facilitate student-tutor queues and automated homework grading.
- Implemented a portion of the seating application, allowing for professors to create seating charts.

### Surf Report Bot

On Github

PYTHON

Jul. 2018

- I wrote a Python script that fires off when a new terminal window is opened and gives the current surf report for any desired locations.