

Nate Browne

SOFTWARE ENGINEER · SYSTEMS AND SECURITY ENTHUSIAST

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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, ARM Assembly, ReactJS

Tools Git, Visual Studio, RStudio, UNIX, mariaDB, MySQL

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.