

Nate Browne

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EDUCATION

UC SAN DIEGO

**BS IN MACHINE LEARNING & NEURAL
COMPUTATION/COMPUTER SCIENCE**
Expected June 2020 | La Jolla, CA
Cum. GPA: 3.11 / 4.0

LINKS

GitHub:// [nate-browne](#)
LinkedIn:// [nate-browne](#)

COURSEWORK

UNDERGRADUATE

Data Science in Practice
Linear Algebra
Calculus I-IV
Deep Learning
Advanced Data Structures
Software Tools and Techniques

SKILLS

PROGRAMMING LANGUAGES

Comfortable with:

Java • Shell • C • C++

Visual Basic • Python • ARM Assembly

LaTeX

Familiar with:

ReactJS • Android • MySQL

TOOLS

Git • Visual Studio • Debugging software
(GDB, Valgrind) • UNIX

PROFESSIONAL

Public speaking • Coordinating events

EXPERIENCE

UCSD CSE DEPARTMENT | UNDERGRADUATE TA

January 2018 – Present | La Jolla, CA

- Undergraduate TA for 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.

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

MYCALC

- Created my own implementation of a basic calculator with the 4 standard operations + exponentiation for iOS and Android using React Native.

Languages/Tools Used:

React Native, JavaScript

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

AUTOGRADER

- autograder.ucsd.edu is a website used to facilitate tutor queues and assignment grading for 3,000+ students each quarter at UCSD. I am one of 10 people on the team responsible for maintaining and adding new features.
- Features I've worked on: Helping to refactor the seating assignment code, as well as writing functionality to allow for seating rooms to be deleted and reordered.

Languages/Tools Used:

ReactJS, JQuery, MySQL, Play! Framework, Java