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

NOTABLE COURSES

UNDERGRADUATE

Data Science in Practice
Deep Learning and Neural Networks
Advanced Data Structures
Intro to Machine Learning
Statistical Methods

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

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

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