
Joseph Berlucchi

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Education

UNIVERSITY OF CALIFORNIA, SAN DIEGO

B.S, Computer Science.

Relevant Coursework: Data structures, Algorithm Analysis, Software Engineering

La Jolla, CA

Graduating: March 2024

MIRACOSTA COLLEGE

A.A, Computer Science.

Relevant Coursework: Data Structures and Algorithms

Oceanside, CA

May 2021

Experience

NORTHROP GRUMMAN

Software Engineer Intern - Secret Clearance

San Diego, CA

June 2023 – Present

- Maintaining code remote Java codebase that simulates and produces data that is used on the network.
- Created a data generator in Python, using Jupyter notebooks, to transpose data that will be used to stress test and randomize data for input of a data network.
- Implemented unit testing and data visualization in order to ensure the output of the data is high quality and expected.
- Optimizing the data generator in order to be faster and produce higher quality data.

NORTHROP GRUMMAN

Software Engineer Intern - Secret Clearance

San Diego, CA

June 2022 – May 2023

- Created a singular web-app combining two similar internal web-apps. Combining their databases in order to be used as one application.
- Implemented React and Typescript for the web-app and implemented Django and Python for the back-end.
- Improved the design of web pages to provide better user experience and quality of life improvements.
- Optimized the RESTful backend which provided faster loading times for data.
- Internship extended during fall 2022.
- Received award for excellent performance.
- Intern Extended until May 2023

AUBURN COMMUNITY HOSPITAL

Information Technology Intern

Auburn, NY

July 2018 - August 2018

- Managed the IT Help Desk to provide technical support to problems at all locations in the hospital.
- Collaborated with team members to identify and quickly address problems.
- Provided excellent service and exceeded management expectations.

Personal Projects

QWIVER

Back-end Developer

Encinitas, CA

January 2020 - December 2023

- Co-founded a social media app which combines elements from Instagram and Snapchat to create a new social media user experience.
- Cultivated a small team to create a RESTful API in Node.js.
- Implemented a database in MySQL to store user information.
- Directing the team to maintain and optimize the API and database.
- Currently going under internal testing.

Skills & Interests

Technical: TypeScript, JavaScript, Java, Python, C++, MySQL, PostgreSQL, Git, GitHub, React, Django, Node.js, Docker, Maven, Linux