

Isaac Bachicha

Software Engineer

Highly motivated to work in cloud infrastructure at NVIDIA to apply skills in cloud DC systems and design. Seeking to further skills in software engineering and testing, as well as deployment and support. Innovative team player with excellent communication and leadership skills with experience in CI/CD pipelines.

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[LinkedIn](#) 

[Github](#) 

Work Experience

Industrial Repair Service – Electrical Engineering Technician & Manager

November 2015 - current

Los Angeles, CA

- Delegated and evaluated work of a small team of electrical engineers, proactively addressing issues and concerns
- Performed tasks such as assembling, repairing, troubleshooting, modifying and testing of electrical circuits, VFD's, PCB's and related devices in simulated environments
- Executed hardware tests with oscilloscopes, function generators, and other technical equipment relying on extensive knowledge of analog and digital principles

Projects

Small Shell

March 2020

- Utilized the Unix process API alongside the C programming language.
- Supported custom input/output redirection.
- Supported three built-in commands through custom integration - exit, CD and status.
- Utilized the exec() family of functions to support running commands in foreground and background processes.
- Implemented custom handlers for 2 signals, SIGINT and SIGSTP.

Movie Theater Database

Feb 2021

- Implemented a dynamic movie theater website using Python and Flask alongside a MySQL relational database.
- Functionality included CREATE/INSERT/ADD/DELETE/EDIT/UPDATE/SEARCH/FILTER.
- Created an ER Diagram and Schema to outline the database and illustrate interactions between tables.

Education

Oregon State University – Bachelor of Science, Computer Science

Present (Expected Graduation: December 2021)

Corvallis, OR

Relevant courses: Data Structures; Algorithm Design; Databases; Operating Systems; Software Engineering I & II; Computer Networks

Columbia College Chicago – Bachelor of Arts, Music Business Management

May 2011

Chicago, IL

Skills

Python; C; Data Structures; Algorithms; SQL (PostgreSQL, MySQL, MariaDB); Git; Linux/Windows; Debugging; Testing