

# Edward Sung

UNLV Computer  
Science Major

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## Edward Sung

Las Vegas, NV, 89141

702-882-7011

[Edwardsung4217@gmail.com](mailto:Edwardsung4217@gmail.com)

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### Skills

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C, C++, Linux, System Programming, Computer Organization, Data Structures, Operating Systems, Programming Languages Concept, X86 Assembly, HTML, CSS, Microsoft Windows, Object-Oriented Programming, Software Debugging, Teamwork, Technical Writing, Python, and JavaScript.

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### Education

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#### UNLV /Bachelor of Science: Computer Science Candidate

August 2020 - Anticipated graduation date: May 2023

3.79 GPA

Dean's Honor List | Howard R. Hughes College of Engineering

Rebel Forward Mentoring Program | Mentee

Layer Zero Cybersecurity Club | Member

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### Experience/Projects

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#### Blockchain Cryptocurrency / Python, HTML, CSS, Flask, SQLAlchemy, PyCryptodome

June 2021- August 2021

Researched and assisted with developing a blockchain cryptocurrency

Developed a lightweight cryptocurrency exchange platform as a self-exercise in full-stack development

Implemented decentralized and peer-to-peer network to maintain ledger validity via node consensus

Implemented blocks and transactions SHA-256 hashed in addition to transactions encrypted asymmetrically with RSA

Constructed a web application using Flask determining which currency can be traded viably between accounts maintained on SQLAlchemy database

#### Sudoku Solver / C++

February 2020-March 2021

Configured and maintained a program that solves sudoku puzzles that provided an unsolved sudoku board

Implemented recursion backtracking with doubly linked lists to find the solution of any 9x9 sudoku board

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## Work Experience

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### **Lifeguard/Henderson Multigenerational Center**

June 2017 - May 2018

Supervised swimming activities at the facility to ensure policies, guidelines, and safety procedures were followed

Administer first aid in the event of injury, rescued swimmers in distress or danger of drowning, and administer CPR if necessary

Resolved scheduling conflicts to ensure safe pool environment when competing programs/priorities require use of aquatic facilities

### **Cashier, Team Member/Baskin Robbins**

August 2020 - May 2021

Provided exceptional customer service to kids and parents alike

Resolved complaints formed by customers

Ensured cleanliness within the store and guidelines were followed