

# Lichelle Mae Gaerlan

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## Education

Graduation Year: May 2020  
GPA: 3.7

## University of Nevada, Las Vegas

Bachelor's of Science in Computer Science (Information Assurance Concentration)  
Honors: Cum Laude  
Minor: Mathematics

Related Coursework: Data Structures, Operating Systems, Algorithm Analysis, Software Product Design, Computer Networks, Computer Security, Information Assurance, and Internet Security

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## Work Experience

April 2018 to Present

### Network Technician

UNLV Office of Information Technology, Network Development and Engineering (NDE)

- Provide support to customers to troubleshoot and resolve connectivity issues via phone call, e-mail, in-person requests, and helpdesk ticketing systems
- Configuring, installing, and troubleshooting Cisco switches, voice gateways, uninterruptible power supplies (UPS), and wireless access points
- Cabling and tracing of data and fiber infrastructure
- Created IP address reservations and DNS records using Infoblox
- Created topology diagrams of campus network
- Maintained inventory of network devices and documentation of the status of all intermediate distribution frames (~200 IDF's) on campus
- Write technical documentation articles for automation scripts and workplace procedures
- Basic automation scripting to assist network engineers with ongoing projects
- Maintain codebase for current UNLV NDE websites written in AngularJS and Node.js

Aug 2018 to May 2019

### Undergraduate Peer Mentor and Teaching Assistant

UNLV Howard R. Hughes College of Engineering

- Worked with first-year and second-year computer science students to provide guidance and tutoring in the student's classes and first-year seminar engineering projects.
  - Projects included: Web application development with Google App Inventor, mobile application development with Android Studio, and drone programming in Python.
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## Skills

- Working knowledge of Cisco IOS/Prime, Infoblox IP Management, and ticketing systems
  - Operating Systems: Microsoft OS, Mac OS X, and Debian/Linux OS
  - Proficient: Microsoft Suite Products (Word, Excel, and PowerPoint) and Git/Github
  - Experience with C++, HTML/CSS, React JS, and Python
  - Leadership, problem-solving, organization, and teamwork skills
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## Activities/Leadership

Jan 2019 to Present

Tau Beta Pi (Engineering Honor Society), *Chapter Vice President*

- Created reports to document the chapter's current membership status and financial budget.
- Planned and volunteered at community service events to introduce engineering topics in grades K-12. Events include: Introduce a Kid to Engineering, Girls Day at the Boys and Girls Club.

Sep 2018 to Present

Layer Zero (UNLV Cybersecurity Club), *Chapter Secretary and Workshop Trainer*

- Competed in the National Cyber League's Capture the Flag competition
- Hosted workshops relating to Cybersecurity, such as Log/Traffic Analysis using Wireshark, Password Cracking using Hashcat, Cryptography, Steganography, & Computer Networks

Aug 2015 to Aug 2016

Society of Women Engineers, *Chapter Vice President*

- Coordinated events and tours with local engineering firms, such as Cirque du Soleil and McCarran Airport, to provide networking opportunities for members
  - Planned and hosted professional development workshops
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## Projects

Jan 2020 to May 2020

### ParkInn (Parking Reservation Software) - Software Design Group Project

- Worked in a group of university students to design a website that allows businesses to virtually recreate, manage, monetize, and enforce parking reservations. The software is designed to be used by businesses who enforce paid parking, such as event centers, universities, casinos, and more. Users will use our software to create virtual parking lots, which allow them to change the prices of individual spots or block out a section of spots for special event parking. With this, the business will be able to track statistics of their business, send event and lot closure announcements to customers, and manage customer incidents. In this group, I worked solely on building the front-end using React JS and handling UI/UX design.
- Written using *React*, *Node.js*, and *MongoDB*