ELISE LIN

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EDUCATION

University of California, Riverside
Computer Science with Business Applications BS 2021
GPA 3.69/4.0 | Chancellor's Honors List
Key Courses: Data Structures & Algorithms, Software Construction, Database Management, Operating Systems, Financial Accounting

SKILLS

PROGRAMMING: C++, Python, XML, Bash, Javascript
TECHNOLOGIES/FRAMEWORKS: Git, Wireshark, HTML, CSS, Word, Excel, Powerpoint

EXPERIENCE

NASA Jet Propulsion Laboratory   June 2019 - Aug. 2019
Space Networks Intern
+ Wrote python and bash scripts for emulating and stress-testing the Interplanetary Overlay Network
+ Configured various space and terrestrial network protocols in a multi-node network
+ Identified testing parameters such as error rates, memory, and delay
+ Visualized network bandwidth graphs using numpy, matplotlib, and pandas

City of Los Angeles, Information Technology Agency   July 2018 - Sept. 2018
Adobe Forms Development Intern
+ Expedited form process by 30% by completing 18 forms
+ Developed xdp/pdf forms schema based on user requirements to create Document of Records for vendor contracts
+ Created responsive web forms based on the xdp/pdf for City of Los Angeles Procurement Project
+ Validated forms in JavaScript to verify user inputs

PROJECTS

FireWatch | Machine Learning | Python, HTML, CSS   Feb. 2019
Used predictive analysis and Google Maps API, with a team, to program a California wildfire forecasting tool.

"Don't be Shellfish" | Linux Shell | C++   Dec. 2018
Programmed a composite pattern-based program, with a partner, that supports command prompts, redirection, and precedence.

Personal Website | HTML, CSS, JS   Aug. 2018
Created a personal portfolio website, displaying projects' visuals and personal information.

ACTIVITIES

Cybersecurity Club @UCR, *Marketing Chair*   Mar. 2019 - Current
+ Increase attendance rate by sharing workshops on topics including Phishing/Social Engineering, DoS, Wireless Attacks, etc.
+ Implement Firewall/Network security at National Collegiate Cyber Defense Competition (NCCDC) invitationals
+ Collaborate in weekly jeopardy-style Capture the Flag (CTF), a set of challenges testing computer security skill

Association for Computing Machinery @UCR, *Treasurer*   Mar. 2019 - Current
+ Improve finance security by storing confidential data securely and allowing personnel access
+ Accomplish dual-booting a Linux environment and setting up a web server
+ Gaining exposure to Linux, Git, Web Development, and other technical skills by leading various workshops, challenges, and projects

Women in Computing @UCR, *Technical Development Chair*   Nov. 2018 - May 2019
+ Posted weekly coding practice, woman of the week articles, and other resources
+ Promoted diversity, leadership, and community building for women in tech by planning UC Riverside's flagship women-centric hackathon, Rose Hack
+ Coordinated technical and professional workshops and meetings with executive team