

MICHELLE LIN

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EDUCATION

COMPUTER SCIENCE, UNIVERSITY OF WASHINGTON

GRAD DATE: JUNE 2021

- GPA: 3.77
- Taken: Intro to Programming (CSE 142, 143), Linear Algebra (Math 308), Software Design & Impl. (CSE 331), Intro to Logic I (CSE 311), Hardware/Software Interfaces (CSE 351), Software Tools (CSE 391)
- Planning to take: Intro to Logic II (CSE 312), Data Structures and Algorithms (CSE 332), Machine Learning (CSE 446), NLP (CSE 447), Intro to Algorithms (CSE 421), Database Systems Internals (CSE 444)

SKILLS & LANGUAGES

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| ○ Java, Python, & C: OOP | ○ Version control: Git |
| ○ Pandas & Altair VegaLite | ○ CCNA Certified |
| ○ Vim & GDB | ○ VMWare & Windows Server 2016 |
| ○ TypeScript React.js, Office Fabric UI, Bootstrap | ○ Linux: Ubuntu, CentOS, Fedora |
| ○ HTML, CSS and JavaScript | ○ Layer 2 Attacks (DHCP starvation, ARP spoofing, MAC address flooding) |
| ○ Android Studio | |

WORK EXPERIENCE

RESEARCH ASSISTANT, ICTD LAB, UNIVERSITY OF WASHINGTON

JANUARY 2019 – PRESENT

- Analyzed data from a remote cellular network to discover how usage in rural areas differ from urban areas.
- Constructed a Markov model to predictively analyze whether credit transactions are fraudulent

HIGH SCHOOL INTERN, MICROSOFT

JUNE 2018 – AUGUST 2018

- Designed and developed a prototype of a performance manager for Microsoft Office Add-ins using Typescript React and Fabric UI. Will be deployed in 2019.

SUMMER TECH HELP, BELLEVUE SCHOOL DISTRICT

JULY 2017 – AUGUST 2017

- Imaged computers with Windows 10 images, replaced computer labs in schools

ANTIGUA ROTARY TRIP, NEWPORT CISCO ACADEMY

FEBRUARY 2017 – MARCH 2017

- Volunteer trip to Antigua to set up and network 25 computer labs with over 400 computers in primary schools with Internet

PROJECTS

CAMPUS MAPS, CSE 331

JANUARY 2019 – MARCH 2019

- Created an Android app that finds paths between different buildings on the University of Washington Campus.

LEADERSHIP

CO-FOUNDER, TEACHER – NO CHILD WITHOUT MUSIC

- Nonprofit organization dedicated to teaching underprivileged children music

DIRECTOR, MUSICAL DIRECTOR, STAGE MANAGER, SECRETARY – NEWPORT DRAMA

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| ○ Directed short play – <i>Drugs are Bad</i> | ○ Stage Manager – <i>Winnie the Pooh</i> |
| ○ Organized, led pit orchestra - <i>Urinetown</i> | ○ Secretary – <i>Newport Drama Club</i> |

ACTIVITIES & ACHIEVEMENTS

- FIRST Robotics Competition (advanced to world competition twice)
- Pianist, guitarist, and vocalist
- National Finalist in CCENT NetRiders Competition (47th nationwide, only female in class to advance to finals)
- Extensive knowledge in networking hardware
- Chinese: Fluent