

# Wilmer Lin

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## Education

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### 2019 - Present | University of California, Irvine | Computer Science Major | Expected Graduation 2023

- Relevant Major Coursework:

Advanced Computer Networks,	Data Structures Implementation,	Artificial Intelligence
Machine Learning & Data Mining,	Computer Architecture,	Optimization
Information Retrieval	System Design	Software Test & QA
Computer & Network Security	Project Management	
- Clubs: Artificial Intelligence at UCI (AIUCI), Triathlon at UCI, Hack at UCI

### 2015 - 2019 | Amador High School

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| Awarded AP Scholar with Honor,         | AP Scholar with Distinction |
| North Coast Sections Award (Lacrosse), | SAT 1580                    |

## Technical Skills

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C/ C++, Python, Java, Shell Script, Linux, Networking, Jupyter Notebook, Machine Learning, Data Mining, Excel, PowerPoint, Apache Flink, AWS (S3, Athena, IAM, Lambda, Kinesis), Kubernetes, Wavefront Metrics, Json, Parquet

## Experiences

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### June 2022 – Sept 2022 | VMware | Summer Intern

- Worked on enriching an existing Flink data pipeline integrated with AWS, Kubernetes
- Developed a Flink pipeline to ingest, process, and store data from upstream teams. Java/Python/AWS/IAM/S3/Kubernetes
  - Integrated with data from upstream (other teams) across connections with RBAC. Tested/debugged/fixed the data flow.
  - AWS IAM for role management
  - Leveraged Apache Flink and AWS services to develop data ingestion, transformation, storage, and maintenance
  - Data ingestion through kinesis stream and storage in S3
  - Utilized Athena and Wavefront for customer queries and visualization of data metrics
  - Utilized AWS Lambda to automate table updates.
  - Involved with production on-call duty

### June 2021 – Sept 2021 | Juniper Networks | Summer Intern

- Worked in a network security dev team to develop, debug & fix bugs in routers. C/C++
- Developed a system to automatically transfer, update, and test images on routers. Python, Linux
- Helped the team to automate network topology setup to run tests more efficiently. Python, Linux

### April 2021 – Dec 2021 | Inno-Medi | Part time Developer

- Worked closely with R&D team in US to develop Machine Learning modules for new company medical devices
  - Utilized Python, Shell Script, Matlab, and machine learning libraries such as Scikit-learn

### 2021

- Implemented a web crawler to download website domains and their subsequent urls

### 2020

- Developed a text editor with basic editor functionalities that operates in terminal

### 2019

- Created an IPO database using html scraping on major stock websites that analyzes data from over 2,000 companies
- Created a Spotify audio analyzer that displays audio patterns of songs in an artistic visual format

## Interpersonal Skills

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- Fluent in Mandarin and conversational Spanish
- Willingness to learn
- Commitment to continuous improvement
- Collaborative team player