

Relevant Coursework

- Data Structures/Algorithms
- Design and Analysis of Algorithms*
- Intro to Machine Learning
- Rapid Prototype Development
- Intermediate Statistics and Data Analysis
- Linear Algebra
- Foundations of Higher Mathematics

*Currently taking

Student Organizations

- ACM ICPC team member
- Entrepreneur Society
- WashU Chemistry Tournament
 - Outreach committee
- Duke Applied Machine Learning

Technical Skills

Proficient: Java, C++, Python

Node.js, PHP, HTML, CSS, MySQL, Javascript, Git, AWS EC2, React, R, Objective-C

Links

GitHub: <https://github.com/FelixWho>

LinkedIn: www.linkedin.com/in/felix-hu

Personal: felixwho.github.io

Felix Hu

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Education

Duke University

2020 – 2023

Major(s): Computer Science, Statistics

Washington University – St. Louis (transferred)

2019 - 2020

Major(s): Math, Computer Science

GPA: 4.0

Work Experience

L3Harris Technologies Software Engineer Intern | Summer 2020

- Worked with the ad-hoc networks group to develop software that allows mesh networks to pass data and interface with FPGA devices for vehicle communication. Language: C++
 - Tested code with unit tests and in virtual physical simulation.
- Redesigned L3Harris' backend scalable-component-framework to ensure robustness and modernize the library for new components.
 - To be used in L3Harris' tactical data link products

Data Structures and Algorithms TA | Winter 2020

- Guided students through problem sets/studios, hosted office hours, designed course materials for common algorithms

Corner 17 Restaurant Software Developer | Spring 2019 - Now

- Building an iOS management app for a restaurant. The app keeps track of customers, waitlists, free tables, and sales statistics; uses algorithms to suggest which tables to assign to customers, estimate wait list times, and visualize data. Language: Objective-C

WashU Med Research Intern | Ding Lab | Summer 2019

- Built R software for high throughput cancer genomics data that statistically analyzes data for significantly mutated genes. The software (MuSiC2) was released as open source. Work was presented at American Association for Cancer Research conference.

Projects

Safinia | Technology Lead | Spring 2020 - Now

- A funded Sling Health Initiative with partnerships with schools in the St. Louis area.
- Developing a natural language processing-driven educational platform for medicine. Using SpaCy and TensorFlow to determine speech intent and generate knowledge graphs from medical websites. Roles involve software development, managing teams, ML model training, presenting work to VCs.

Buzzfund | Spring 2020

- Developed a trading service in Python that uses machine learning algorithms such as random forest and boosting on options chains from TD Ameritrade's API to analyze trade decisions based on unusual options activity. Extensive backtesting is used to validate signals.

Misc.

USA Computing Olympiad | Gold Division | 2017

USA Biology Olympiad | Top 50, ~0.3% | 2019