Yin Yin **Low**

COMPUTER SCIENCE · SOFTWARE ENGINEERING · DATA SCIENCE

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Education

University of Washington *Seattle*

B.S. IN COMPUTER SCIENCE & DATA SCIENCE *Sept 2016 - June 2020*

- Awarded Undergraduate Scholar Merit Awards (Maybank Group Undergraduate Scholarship).
- *Cumulative GPA: 3.7/4.0*, Dean List Award

Work Experience

Paul G. Allen School of CSE, University of Washington Seattle

UNDERGRADUATE TEACHING ASSISTANT *Jan 2019 - June 2020*

- Aided professors by teaching sections of approximately 30 students on the basics of computing. Tutored students during class and office hours, participated in exam preparation and graded assignments.
- *Related Coursework: Data Structure and Parallelism, Probability theory and Statistic in Computing, Database System*

Grab, Seattle

SOFTWARE DEVELOPER INTERN *Oct 2019 - Dec 2019*

- Worked with Data Enrichment Team, developed ads click-through rate model, performed conversion analytic and optimized ads prediction model.
- *Technologies: SQL, Python, Qubole, AWS, Tensorflow, Spark, Presto, Parquet, Azure*

Google

SOFTWARE DEVELOPER INTERN *July 2019 - Sept 2019*

- Implemented Remote Procedure Call (RPC) network connection library to support cross-device messaging protocol in Android test framework. Successfully integrated into Google-Pixel test infrastructure for future testing and improved code development efficiency over 50%.
- Executed unit testing and built Android test application in Java for RPC network library demo purpose.
- *Technologies: Java, gRPC, Protobuf, Android Network(Bluetooth, WifiP2P), Android App development*

Accenture

SOFTWARE DEVELOPER INTERN (DATA SCIENCE & VISUALIZATION) *July 2018 - Sept 2018*

- Developed real-time dashboard with and designed interactive data visualization for the use of steaming and collecting live data.
- Implemented predictive modeling in project management & budgeting and successfully deployed to production.
- *Technologies: R, Javascript, Python, React, NodeJS, D3JS, .NET Web APIs, RESTful Web Services*

Research Experience

Global Immunization Cold Chain Software *Capstone Projects*

SOFTWARE DEVELOPER *Mar 2019 - Mar 2020*

- Collaborated with Gates Foundation and PATH to develop a cold-chain data mapper application. Deployed in Uganda with the support from WHO for creating interactive data visualization and analyzing historical data while mapping them to cloud database. Also, implemented back-end web services to retrieve live data from cloud database.
- *Technologies: Javascript, Java, NodeJS, D3JS, Azure Cloud, Google Map APIs*

Research Cloud Computing, University of Washington Seattle

RESEARCH ASSISTANT & SOFTWARE DEVELOPER (MACHINE LEARNING) *Sept 2018 - June 2019*

- Assisted Chemical Engineering graduate student by researching image classification algorithms(SVM, CNN, Decision Tree) to improve accuracy of neutron scattering profile by tracking historical data set to improve data collection efficiency in national lab facilities.
- *Technologies: C++, Python, PostgreSQL, Pytorch, Plotly, Scikit-learn, Tensorflow, Hyak (UW supercomputing cloud cluster)*

KALORIMATE AI CHATBOT *DubHacks (Hackathon) 2018*

SOFTWARE DEVELOPER

- Built a personal nutrition assistant chatbot with image recognition to get nutritional information of the food/drinks captured with mobile phone and track allergies detection based on user health data.
- *Technologies: Javascript, Cisco Webex Chatbot platform, Clarifai's Image Recognition API*

Publications

Global Goods Software For the Immunization Cold Chain

WAYLON BRUNETTE, CLARICE LARSON, SHOURYA JAIN, AERON LANGFORD, YIN YIN LOW, ANDREW SIEW, RICHARD ANDERSON

- ACM SIGCAS Computing And Sustainable Societies, COMPASS 2020

Leadership

2018	**Cofounder & Director of Digital Marketing and Public Relation**, UW Dubshot Photography Club
2017	**Finance Director**, University of Washington Malaysian Society

Skills

- Programming Languages: Java (Proficient), Python (Familiar), HTML/CSS, JavaScript, SQL languages (MySQL, PostgreSQL, SqlServer), C++
- Frameworks: Git, React, gRPC, Protobuf, Network, Django, Data Visualization, Cloud Computing, Machine Learning, Database Management