

Xi Yu

E-mail: yuxi3721@gmail.com | Tel.: 971-754-9805

Web: <http://web.cecs.pdx.edu/~yuxi/> | LinkedIn: [xi-yu-744209126](https://www.linkedin.com/in/xi-yu-744209126) | Github: <https://github.com/Cecilia831>

EDUCATION

Portland State University (PSU) GPA:3.43	09/2018-12/2021
<ul style="list-style-type: none">▪ M.S. of Computer Science Independent Research in cognitive wireless networks	
Liaoning Normal University (LNU)	09/2015-06/2018
<ul style="list-style-type: none">▪ Master of Management in Management Science and Engineering▪ President of Information Department of LNU Graduates' Union	
Shenyang Ligong University (SLU)	09/2010-06/2014
<ul style="list-style-type: none">▪ Bachelor of Management in Information Management and Information Systems	

SKILLS

C, C++, Matlab, Python, Scala, Java, SQL, Script, JavaScript, HTML, MS Office, LaTeX, GitHub, WireShark, PhotoShop, Coreldraw, Pascal, QBasic, MS Visio, C#

PROJECTS

ML

- Train the data under both supervised and unsupervised learning and show results with Numpy
- Build and train networks of perceptrons with linear activation functions, work on back-propagation in multi-layers neural network
- Compare the prediction accuracy: mean absolute error (MAE) between decision trees, SVMs, logistic regression and KNN, from the outcome, discuss which model is optimal for the problem, compare the advantage and disadvantages of these methodologies.

Networks

- Simulate different mathematical modeling(e.g. Monte Carlo) in sector sweep in mmWave initial access
- Build and simulate multi-objects optimization on cognitive radio networks

EXPERIENCE

Software developer Spruce Box Construction (remote)	05/2022 - present
<ul style="list-style-type: none">▪ Optimize the workflow of accounting process in Buildertrend and Quickbooks▪ Setup .NET framework and connect with OAuth authentication API	
Manufacturing Test Technician Lam Research Inc. (Tualatin, OR)	09/2022-11/2022
<ul style="list-style-type: none">▪ Responsible for testing multiple product types such as SABRE, SABRE 3D and SABRE FI-PPT▪ Promote to White Hat for new assignments with minimal supervision (Independent worker)▪ Work with coworkers on specialized test projects for Gemini tool, use proper escalation path	
Volunteer for Mentor Program and Scholarship Program PDX Women In Tech (PDXWIT)	07/2022-present
<ul style="list-style-type: none">▪ Enhance the professional development of women in technology by building trust and creating partnerships in Portland community▪ Review scholarship applications, give comments and feedback for improvement to community members	
Teaching / Research Assistant Computer Science department at PSU	09/2018-12/2021
<ul style="list-style-type: none">▪ Post tutor session, evaluate and grade examinations, assignments, improve average score▪ Learn and understand the state-of-art technology, collect and analyze data, test and simulate the experiments	
AsusTek Computer Inc (China) Campus Master Program	11/2010 - 06/2012
<ul style="list-style-type: none">▪ Market analysis among ASUS computer retailers in Shenyang▪ Responsible for online management of ASUS forum and offline promotion for our products▪ Brand marketing and sold our products in a retailer during summer vacation▪ Market research and survey how many people will recommend ASUS mainboard and graphics card to others	

PUBLICATIONS

Suresh Srinivasan, Xi Yu, A. Keshavarz-Haddad, Ehsan Aryafar, "Fair Initial Access Design for mmWave Wireless", *The International Conference on Network Protocols (IEEE ICNP 2020)* 10/10/2019

HONORS & AWARDS

IEEE Pervasive Computing and Communications 2021 NSF Participation grants for US-based students 03/2021