Xueyan Lu

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EXPERIENCE

University of Miami - Sylvester Comprehensive Cancer Center　　Miami, FL
Medical Dosimetrist　　*Oct. 2024 - Present*
- Planned with IMRT, VMAT, SBRT, adaptive, 3D, HyperArc SRS, Hypersight and CSI
- Served as a lead dosimetrist and trainer in Ethos adaptive planning
- Planned across multiple machine platforms, including Truebeam, Ethos, and Edge
- Performed advanced image registration for PET/CT, 4D CT, and MRI using MIM and Aria
- Instructed physicist and dosimetry students in treatment planning, providing hands-on training

AdventHealth　　Daytona Beach, FL
Medical Dosimetrist PRN　　*Feb. 2023 – Oct. 2024*
Medical Dosimetrist Intern　　*Sep. 2022 – Jan. 2023*
- Planned static IMRT, VMAT, 3D, FiF, SBRT, SRS, electron, and RPM
- Planned across multiple machine platforms, including TrueBeam, Trilogy, and Novalis
- Performed advanced image registration for PET/CT, 4D CT, and MRI using Velocity and Aria

Nokia　　Hangzhou, China
Senior Software Automation Engineer　　*Sep. 2015 - Oct. 2017*
Software Automation Engineer　　*May. 2011 - Aug. 2015*
- Designed and led the development of an innovative automation system that reduced reliance on costly test equipment, resulting in annual cost savings of €230,000, awarded with the Lean Six Sigma Green Belt Certification
- Developed the automation scripts of continuous integration, unit testing, and feature validation
- Developed the telecom cloud platform and API based on Openstack/Linux platform

Alibaba　　Hangzhou, China
Software Engineer　　*Jul. 2010 - Apr. 2011*
- Performed unit and functional testing on website components deployed in a Linux environment

Huawei　　Chengdu, China
Software Engineer Intern　　*Jul. 2008 - Jan. 2009*
- Developed L3 RRC protocol for WCDMA BTS and LTE BTS

EDUCATION

John Patrick University of Health and Applied Sciences　　South Bend, IN
Master of Science in Medical Dosimetry; GPA: 3.82　　*Sep. 2020 – Dec. 2022*

University of Electronic Science and Technology of China　　Chengdu, China
Master of Engineering in Information and Communication Engineering　　*Sep. 2007 – Jul. 2010*

Heilongjiang University of Science and Technology　　Harbin, China
Bachelor of Engineering in Electrical and Electronics Engineering　　*Sep. 2003 – Jul. 2007*

PROJECTS

CoMP | *UESCT*　　*Fall 2009 - Spring 2010*
- Designed a new Multi-User MIMO Scheme in Coordinated Multiple Point (CoMP) with adaptive ICIC strategy

Deep Space | *UESTC, National 863 Program*　　*Mar. 2008 - Jul. 2008*
- Verified a low complexity code-aided carrier synchronization algorithm for deep space communication

HONORS

- Excellent Undergraduate Student in Heilongjiang Province
- The First Award of Undergraduate Advanced Mathematical Contest - HUST
- The First Class Award Scholarship (twice) - HUST

ADDITIONAL INFORMATION

Certifications: Certified Medical Dosimetrist (CMD) in Sep. 2023
Languages: Python, C