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 | *UESTC* — *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