Jim Pollaro

503.789.6078 · jim.pollaro@gmail.com

Professional History

Neuroimaging Engineer 9/23 -- present
Washington University, St. Louis, MO
- Improve/Refactor Network Level Analysis software
- Implement new functionality
- Improve performance and readability

Full Stack Engineer 10/20 -- 11/22
Synthego, Menlo Park, CA
- Member of LIMS (Labratory Information Management System) team
- Implementing stock reservation system for new product type
- Refactor cell information site for sales team
- Technologies used: Django, Python, React.js, Redux, HTML

Software Engineer 11/18 -- 10/20
DrChrono, Sunnyvale, CA
- Implement a new payment processor into existing payment system. Allows users to pay by credit card, credit card number, and saved credit card. System is PCI compliant
- Redesigned and developed a billing profile system that is faster and more efficient. This was needed due to scaling issues
- Technology: Django, Python, Angular.js, MySQL, HTML, Javascript, GraphQL

Research Associate 8/07 – 6/15
Advanced Imaging Research Center, Oregon Health & Science University, Portland, Oregon
- Performed maintenance on MRI machines - cryogens, troubleshoot
- Wrote processing algorithms in Python
- Planned and ran studies on MRI scanners, including multi-site studies
- Organized, processed, and analyzed data for studies.
- Constructed RF coils for use in MRI

Associate in Research 8/04 – 5/07
Center for In Vivo Microscopy, Duke University, Durham, North Carolina
- Upgraded and performed maintenance on existing ventilators and physiological monitors
- Constructed RF coils for use in MRI
- Planned and ran studies on MRI scanners
- Performed maintenance on MRI machines - cryogens, troubleshoot

Visiting Instructor, Electrical Engineering 8/03 – 12/03
Purdue University, Indiana
- Taught EE201, Linear Circuit Analysis I
- Worked in concert with a faculty member to outline syllabus and write exams
- Delivered lectures to approximately 100 students 3 times a week

Graduate Instructor, Electrical Engineering 6/02 - 12/02
Purdue University, West Lafayette, Indiana
- Taught EE202, Linear Circuit Analysis II
- Prepared and delivered lectures to approximately 30 students 5 days a week
- Wrote homework and exam problems

EDUCATION
M.S. Biomedical Engineering 5/03
Purdue University, Indiana
Thesis: Image-Space Estimation of Undersampled Respiration in Multi-Slice Functional Magnetic Resonance Imaging (fMRI)