PEI-CHEN LEE (PEGGY)

6101 E Bellevue St, Tucson, AZ | 520-808-8994 | peichenleegy@gmail.com

Experienced both as a medical laboratory scientist and software project manager at Sysmex. Certified PM with IMLS license and having advanced IT educational background. Expertise in improving medical laboratory workflows and leading cross-functional teams for marketing, development, and application of middleware.

CORE TECHNICAL SKILLS

- **Skills:** Agile Project Management, Consult Services, Software Engineering, Simulator Testing, Database Management, Modeling
- **Software:** Azure, Microsoft Office, MS Project, LIS, Google APIs, Trello
- **Medical Laboratory:** Automation System, Hematology, Chemistry, Blood Bank, Pathology, Microscopy, Microbiology
- **Databases:** MySQL, Oracle, MongoDB, ETL, Designing Structures
- **Programming Languages:** SQL, Python, R, Java, JavaScript, Django, CSS, HTML, Swift, Visual Basic

INFORMATION TECHNOLOGY EXPERIENCE

Graduate Assistant, Eller College of Management

University of Arizona, Department of Management Information System, Tucson, Arizona   *January 2021 to June 2021*
- Assisted in teaching basic operations management lessons and data engineering courses
- Provided support for students' complex questions about SQL or Python on Google Colaboratory Notebooks

Research Assistant

National Health Research Institutes, Taipei, Taiwan   *April 2019 to August 2019*
- Handled and integrated pathological data into electrical medical records for a hospital information system
- Presented project based on correlations between illnesses and prognoses of anti-neoplastic drugs via statistical methods
- Designed experiments leveraging the knowledge of IT and medical examinations to complete maxillofacial surgeons' research

IT Application Specialist, Customer Service

Sysmex Taiwan, Taipei, Taiwan   *August 2017 to October 2018*
- Responsible for system testing and integration testing of automation, functional requirements, and software development
- Organized at least three client requests weekly for software development or maintenance with software and hardware engineers
- Supervised importing AI to laboratory system of time-intensive software implementing projects
- Designed the reporting platforms for new medical devices or test items in all departments of medical laboratories
- Decided marketing strategies and applications for the latest examinations with marketing and academic departments
- Increased real-time sample selection by 7% in a lavender tube examination system
- Handled project teams meetings, including planning, controls, documents, meeting notes, and performances
- Elected as a presenter for middleware software training of Sysmex Asia Pacific within six months after joining the team
- Applied data analysis to enhance customer satisfaction or reduce costs of IT product development

HOSPITAL LABORATORY EXPERIENCE

Medical Technologist, Microbilogy Laboratory

Tucson Medical Center, Tucson, Arizona   *November 2021 to Present*
- Manipulating the Sunquest platform to complete order management, specimen coordination, and resulting tests
- Prioritizing the workload of processing workflow and keeping the turnaround time and quality output to meet the requirements

Medical Technologist, Clinical Laboratory

Min Sheng Cheng-An Clinical, Taipei, Taiwan   *July 2016 to June 2017*
- Developed an inventory management system of Microsoft Excel when managing laboratory routines
- Established the first hematology, urine, and all sent-out tests in the clinical laboratory within defined budget and timelines
- Attained a high level of client satisfaction from diagnostic consultancy services for doctors and related professionals to aid patients

Medical Technologist, Department of Clinical Pathology

Medical Center, Far Eastern Memorial Hospital, New Taipei, Taiwan   *May 2014 to May 2016*
- Assisted with quality controls of the Taiwan Accreditation Foundation(TAF) and the College of American Pathologists (CAP)
- Advised, encouraged, and taught a group with 12 interns and 6 new employees in medical technologist training

EDUCATION & CERTIFICATIONS

- **MS, Information Science (GPA: 4.0)**, University of Arizona, Tucson, United States, 2021
  - Exploring deep learning models to differentiate breast tissues from histopathological images, 2021
  - Utilized natural language processing techniques for solving named entity recognition of a time expressions task, 2020
- **HDipApplSc, Software Design and Development (GPA: 4.0)**, National University of Ireland, Galway, Ireland, 2020
  - Built an interactive web application for purchasing customized license plates includes simple management features, 2019
- **BS, Medical Technology and Laboratory Science (GPA: 3.45)**, Chang-Gung University, Taoyuan, Taiwan, 2014
- **Project Management Professional (PMP)®** by Project Management Institute (PMI), Cert. 3134480
- **International Medical Laboratory Scientist (IMLS)** by American Society for Clinical Pathology, Cert. 6207