Gyury Lee

(630)724-7635 | gyury.lee9@gmail.com | gyuryl2@illinois.edu | linkedin.com/in/gyury-lee | github.com/gyuryl2

EDUCATION

University of Illinois Urbana-Champaign — Champaign, IL
Bachelor in Information Science, Minor in Computer Science — *Aug. 2020 – May 2024*

Relevant Coursework
Computer Systems Engineering; Computer Architecture; Algorithms and Models of Computation; Data Structures; Linear Algebra; Data Management, Curation, and Reproducibility; Database Design; Biostatistics

EXPERIENCE

Senior Lab Research Fellow — October 2022 – Present
Margolis Market Information Lab — *Champaign, IL*
- Manage lab logistics including but not limited to: personnel scheduling, resource/manpower allocation, coordinating cross-departmental event logistics and operations, facilitating communication between faculty advisor and lab staff/students
- Direct and assist over 200 fellows and students in developing understanding in finance, business, and computing applications (Bloomberg, CAPIQ, Options, Python, Excel)
- Facilitate collaborative learning environments for student groups of 20+ using interactive tools like Jupyter notebooks, Anaconda, and GUI-based Python development

Software Intern — July 2021 – August 2021
Bull & Bear Solutions — *Chicago, IL*
- Streamlined expense/route tracking in Google Sheets using APIs and JavaScript functions
- Coordinated optimal delivery schedules by communicating with clients and drivers

Medical Intern — June 2021 – August 2021
Presence Medical Group — *Lincolnwood, IL*
- Shadowed Dr. Ettner to observe patient examinations, diagnoses, and treatment planning, focusing on systematic problem-solving and analytical skills in a variety of medical cases within a primary care setting
- Engaged in assisting medical students to address patients' severe vaccination hesitancy and diverse health concerns
- Developed strong communication and interpersonal skills through professional interactions with doctors, staff, and patients, fostering a collaborative work environment
- Gained a comprehensive understanding of the healthcare industry and its technological needs, including exposure to medical software and data management systems

Lab Assistant — July 2019 — August 2019
Baeksam Korean Medical Clinic — *Gangnam, SK*
- Assisted doctor in using herbal compounds to extract aqueous medicinal solutions
- Coordinated critical logistical & managerial aspects of lab/clinic including but not limited to: equipment calibration, sanitation, hazardous waste disposal, supply chain and inventory management, staff-patient scheduling

PROJECTS

Linux-Like Kernel | *C, x86 Assembly, GDB, GitLab, Docker* — March – April 2024
- Collaborated with 3 engineers to develop a Unix-like operating system comprising of interrupt handlers, multiple device drivers, virtualized memory allocation, task scheduling, process control, system calls, and signal abstractions
- Parsed Unix, VGA, and Intel documentation to generate robust error signaling to predict and resolve bugs
- Implemented file system abstractions to optimize disk layout and enforce protection standards

Understanding Iris Characteristics | *Python, Github, Markdown, Snakemake, Docker, Zenodo* — December 2023
- Extracted, cleaned, and analyzed Iris classification data using SHA-256 hashing to ensure data integrity
- Orchestrated data pipeline as Snakemake workflow for seamless automation and documentation, with DAG visualization for ease of reproduction

TECHNICAL SKILLS

Languages: C, C++, Python, Kotlin, R, SQL, Assembly, Verilog, CSS/HTML, JavaScript
Frameworks: Django, React
Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Ubuntu, Bloomberg, CAPIQ, Excel, Jupyter Notebook
Libraries: pandas, NumPy, Matplotlib, Scikit-learn, SciPy