Hakyung Yun

hakyung4@illinois.edu | hakyungyun.com | (217)979-7514 | Champaign, IL

Experience

Synchrony **Champaign, IL**
Software Engineer Intern *May 2022 – Aug. 2022*
- Provided critical insights of PCF products and properties by creating 5+ dashboards using Tableau.
- Created a python program that updates PCF product versions to a MySQL database and removes expired PCF products.
- Worked with VPs of Cloud Engineering Team to develop a PCF API, automating audit jobs.

Disruption Lab at Gies **Champaign, IL**
Software Developer *Jan. 2022 – May 2022*
- Added features such as a comment box and landing page to provide a better user experience.
- Implemented mobile-responsive design using tailwind CSS to provide a better user interface.
- Worked with a team of 5 developers to develop a website that helps students find research opportunities using React.js, AWS Lambda, and DynamoDB.

Korean Student Association UIUC Chapter **Champaign, IL**
Website Director *Aug. 2021 – May 2022*
- Led a team of 6 developers and worked with 5 other teams to restructure KSA website using React.js, WordPress, Tailwind CSS, and Node.js.
- Reduced the site loading time by 1000ms and doubled the daily active users.
- Recreated the structure of the website based on UX research.

Codable **Champaign, IL**
Full Stack Developer *Aug. 2021 – Jan. 2022*
- Developed a secured database for users using SQLAlchemy with bcrypt to hash and salt password.
- Developed a content-based movie recommendation model with a dataset that was retrieved from IMDb.
Project Manager *Aug. 2021 – Jan. 2022*
- Led a project on developing a website for movie recommendations using HTML, CSS, and Flask.
- Managed a team of 3 engineers for scraping and cleaning data that was retrieved from IMDb.

Projects

Goal Setter
- Developed a MERN stack app that allows users to set goals.
- Protected sensitive information such as password by salting and hashing using bcrypt.

Shortest Path
- Implemented Dijkstra's algorithm and BFS to find the shortest path between two California roads.
- Examined and compared the runtime to determine a more efficient algorithm.

Movie Recommendation Website
- Developed a movie recommendation website using HTML, CSS, and Flask.
- Used built in Flask module such as flask_login and WTForms to create and validate login and signup information.

Skills

Programming Languages: Python, C++, JavaScript, SQL
Skills: React.js, SystemVerilog, MySQL, Tailwind CSS, Node.js, Express.js, Flask, Django, Git, MongoDB

Education

University of Illinois at Urbana Champaign ***Expected Graduation:*** *Dec. 2025*
Bachelor of Science in Computer Engineering
- Courses: Algorithms & Models of Computation, Data Structures, Digital Systems Laboratory, Computer Systems & Programming, Numerical Methods
- Gap years (2022-2024): Republic of Korea Army