

# Hakyung Yun

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## Education

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**University of Illinois at Urbana Champaign**

*Expected Graduation: May 2026*

Bachelor of Science in Computer Engineering

- Courses: Analog Signal Processing, Computer Systems & Programming, Discrete Mathematics, Data Structures

## Experience

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### Synchrony

**Champaign, IL**

*Software Engineering Intern*

*May 2022 – Aug. 2022*

- Created a python program that updates PCF product versions to a MySQL database and removes expired PCF products.
- Provided deep insights of PCF products and properties by creating dashboard using Tableau.
- Worked with VPs of Cloud Engineering Teams to develop a PCF API that automates 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 a navigation bar and 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 module 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

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### Goal Setter

- Developed a MERN stack app that allows users to set goals.
- Protected private 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 the runtime and compared 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

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**Programming Languages:** C++, Python, JavaScript, SQL, Solidity, Java, Golang

**Skills:** React.js, Next.js, MySQL, Tailwind CSS, Node.js, Express.js, Flask, Django, Git, MongoDB