Yemi Shin

Software Engineer

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yemi33.github.io 🌐

EDUCATION

Bachelor of Arts | Computer Science

Carleton College

Sep 2018 - Jun 2022   GPA: 3.8

Courses

- Algorithms
- Natural Language Processing
- Computer Security
- Parallel and Distributed Computing
- Software Design
- Artificial Intelligence
- Data Visualizations

INTERNSHIPS

Software Development Intern

GeoComm Inc.

Jun 2021 - Sep 2021   *St. Cloud, MN*

GeoComm is a company that provides public safety mapping applications to 911 professionals.

- **Boosted the company's software development productivity by 10%** by automating parts of the procedure with machine learning using Python.
- Improved usability of internal GIS mapping toolkit by adding additional features and fixing bugs using C#.

Software Developer

WAVES @ DevoLab Michigan State University

Jun 2021 - Sep 2021   *East Lansing, MI*

Workshop for Avida Ed Software Development (WAVES) develops various software for evolution research and education.

- **Enhanced usability** of education software by adding drag bars and drag and drop features to power core functionalities using JavaScript.
- Presented results at BEACON Congress for Evolutionary Research.

Software Engineer Volunteer

Comida for Familias Inc.

Dec 2020 - Jan 2021   *Suisun City, CA*

Comida for Familias Inc. is a non-profit that strives to build applications that distribute crucial resources to the needy.

- Increased traction by developing an internal crowdfunding platform to help 50 volunteers easily fund various technical projects using Django.
- **Implemented REST APIs** to integrate Google/Facebook login and PayPal pay gateway.

SKILLS

Python | JavaScript | Java | C | C# | Machine Learning | Computer Vision | NLP | Full-Stack Development | HTML | CSS | AWS | Hadoop | Android Development | SQL | Django | Git | R | Leadership | Agile Methodologies

PROJECTS

Chef rAImsey (May 2021)

- AI capable of generating original dessert recipes using web scraping and ML-based predictions.
- Implemented natural language processing techniques: Doc2Vec vectorial semantics model, unigram custom tagging, tokenizing, corpus processing, and GPT-2 text generation.
- Implemented a user-friendly GUI.
- Implemented in Python. Code can be found here

Murder Mysteries Generator Website (Oct 2020)

- Murder mystery generator website that simulates a new mystery every time the page is refreshed.
- Implemented with Python-built rule engine and grammar engine, HTML, CSS, and JavaScript. Code can be found here

COVID-19 Dashboard (Feb 2020)

- Web app that tracks down COVID-19 cases by different categories, and presents a visual graph to represent and analyze the data. Code can be found here

My Awkward Lyricist (Sep 2020)

- Grammar-based robot lyricist that produces random love song lyrics--sourced from popular pop songs. Link to the song, sung by me

ORGANIZATIONS & HONORS

Girls Who Code College Loop @ Carleton

President, Sep 2019 - Present

Korean Student Association

President, Sep 2019 - Present

Grace Hopper Conference Scholar Sep 2021