Seung Jae (Ryan) Lee

seungjl@princeton.edu
781-795-2953
www.seungjaeryanlee.com
github.com/seungjaeryanlee

EDUCATION

Princeton University, Princeton, NJ   Class of 2021
- A.B. Candidate on leave; Major: Mathematics; Intended Certificate: Applications of Computing.
- Coursework: Advanced Programming Techniques; Algorithms and Data Structures; Introduction to Programming Systems.

EXPERIENCE

Scratchwork LLC, Princeton, NJ   June 2017-Present
Co-founder, Senior Developer
- Develop a collaborative whiteboard web app for researchers with three other members.
- Write unit tests and enforced coding standard for quality assurance and Test-Driven Development.
- Participated in the eLab Summer Accelerator Program funded by Princeton University.
- Demoed product at Princeton University and at AppNexus.
- NodeJS, ExpressJS, MongoDB.

ReMatch Summer Undergraduate Research Program, Princeton University   June 2016 - August 2017
Research Student
- Computed spectral gaps of Markoff graphs with about four million vertices and six million edges.
- Analyzed their patterns with C++, MATLAB, and Gephi with Princeton's computational clusters.
- Funded by the Bershadsky Summer Research Fund.

PROJECTS

Clarity Chess   October 2015 - January 2018
- Developed chess engines in C++ and Python that supports GUIs via Universal Chess Interface Protocol.
- Python, Pytest, Sphinx; C++.

FoodMap   March 2017 - May 2017
- Led a team of four members to develop a web app that maps all available food in Princeton campus.
- Developed a NodeJS scraper that parses food and campus location from emails.
- NodeJS, Django, Python, PostgreSQL, Heroku.

TeamBuilder   Winter 2016
- Developed a Slack bot that gathers messages of people finding team members for hackathon.
- Used Microsoft's Language Understanding Intelligent Service (LUIS) to   parse Slack messages.
- NodeJS, Microsoft Bot Framework, Microsoft LUIS, Heroku.

SKILLS
- Intermediate level Python, JavaScript, and C++.
- Beginner level MATLAB, HTML/CSS.
- Native Speaker of Korean.