

Seung Jae (Ryan) Lee

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EDUCATION

Princeton University, Princeton, NJ

Class of 2021

- A.B. Candidate on leave; Major: Mathematics; Intended Certificate: Statistics and Machine Learning.
- Coursework: Advanced Programming Techniques; Algorithms and Data Structures; Introduction to Programming Systems.

EXPERIENCE

ScratchWork, Princeton, NJ

Summer 2017-Present

Co-founder

- Developed a collaborative whiteboard web app for researchers with three other members.
- Participated in the eLab Summer Accelerator Program funded by Princeton University.
- Wrote unit tests and enforced coding standard for quality assurance.
- Demoed product at Princeton University and at AppNexus.
- Node.js, MongoDB.

RESEARCH

ReMatch Summer Undergraduate Research Program, Princeton University

Summer 2016

Research Mentee

- 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

FoodMap

Spring 2017

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

Halite Bot

Fall 2016-Spring 2017

- Developed a bot to compete in Halite, Two Sigma's artificial intelligence programming challenge.
- Finished with the ranking of 174 out of 1592.
- C++.

Doumi Chess

Spring 2015-Fall 2016

- Developed a chess artificial intelligence that supports GUIs via Universal Chess Interface Protocol.
- C++.

SKILLS

Intermediate level C++ and Node.js; Beginner level Python; Native Speaker of Korean.