

# Sooji Son

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## Education

### Grinnell College

B.A. IN COMPUTER SCIENCE AND THEATRE AND DANCE, CONCENTRATION (MINOR) IN LINGUISTICS

Grinnell, IA

Expected May 2018

- Cumulative GPA: 3.80/4.00, CS GPA: 3.86/4.00
- Semester Study Abroad at Aquincum Institute of Technology in Budapest, Hungary (Feb - May 2017)

## Skills

**Formal Languages** Java, C, Scheme, JavaScript, Ruby on Rails, Haskell

**Miscellaneous** Android Development, HTML, CSS/Sass, Git, Command Line tools, Sketch, Photoshop, Figma

## Technical Experience

### Software Engineering Intern - Machine Learning Platform

Mountain View, CA

INTUIT

May - Aug 2017

- Kickstart a nascent REST service to get machine learning insights to customers with Agile Development Principles
- Parsed YAML files and modeled POJOs to generate four different YAML for schema generation
- Created a SpringBoot application for the REST service using Spring Cloud Config and internal API tools
- Designed an implemented Data Access Objects (DAOs) to fetch data from DataStax Enterprise and Cassandra

### Developer and Designer

Budapest, Hungary

YFINDER: MOBILE SOFTWARE DEVELOPMENT CLASS PROJECT

Feb - May 2017

- Developed a crowdsourced free Wi-Fi finder application on the Android platform using Firebase and Google Maps API
- Designed the user flow of the application from the registration, adding pins, to viewing the Wi-Fi locations
- Implemented an algorithm to fetch and filter from Firebase to populate a list of pins within walking distance from current location

### Summer Research Student

Grinnell, IA

DEPT. OF COMPUTER SCIENCE

May - Aug 2016

- Created a proof assistant and a web interface under prof. Peter-Michael Osera for introductory computer science students
- Implemented a proof language using Haskell, scripted a parser to convert the surface language to the abstract syntax tree
- Organized the code repository and documented the language as well as the usage of the application
- Streamlined the workflow using Waffle.io to track bugs and distribute tasks

### Scrum Master

Grinnell, IA

BOARDBANK: CSC-322 TEAM SOFTWARE DEVELOPMENT CLASS PROJECT

Jan - May 2016

- Performed maintenance on a volunteer database using Ruby on Rails
- Fixed dependency issues on outdated gems and asset pipeline to compile scripts and stylesheets correctly
- Organized scattered controllers into two controllers dedicated to two models to follow Rails standards
- Identified bugs and created a more comprehensive test suite using Cucumber

## Leadership Experience

### Production Stage Manager

Grinnell, IA

DEPT. OF THEATRE AND DANCE

Aug 2017 - Present

- Train and prepare mainstage stage managers for the challenges and provide support and guidance throughout the production process
- Organize and coordinate communications for mainstage productions' cast and crew
- Serve as the department's voice to the campus to disseminate information about upcoming departmental events and policies

### Lead UI/UX Designer

Grinnell, IA

GRINNELL APPDEV

Dec 2014 - Present

- Plan the direction and operation of AppDev with other leads and the director of Information Technology Services (ITS)
- Propose deadlines and keep projects on track towards designated milestones and measure the progress on the project
- Break down and delegate tasks to team members and serve as a mentor for the team
- Train new and current team members in the skills and knowledge required in designing an application
- Ensure unified design language across platforms and applications and conduct UX research to determine the accessibility and usability