Personal Information

Name DoYeon Kim
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Education

2012–2017 **Software Engineering**, *McGill University*, GPA: 3.65/4.00, Graduated with Distinction.
Mathematics Minor

Computer Skills

Languages Java, Python, C++, C, Javascript, HTML, CSS
Frameworks OnsenUI, AngularJS
Databases PostgreSQL, CouchDB
Environments Unix, Windows
Miscellaneous Kubernetes, Docker, Git, SVN

Work Experience

2016 **Software Engineer Intern**, *Nuance Communications Inc.*, Nuance Cloud Services Dev Team.
- Working with Docker, Kubernetes, Java, Spring, RESTful services
- Active participation in our daily scrum meeting and bi-weekly scrum planning

2016-2017 **Co-Chair**, *Computer Taskforce*, tepid.science.mcgill.ca.
- Office hour sign up page and check-in/check-out page via barcode scanning, using:
  - AngularJS, HTML and CSS for frontend
  - Java for backend, CouchDB for database
- Lead weekly general meetings and council meetings, manage teams (hardware, web, server, events)

2015 - 2016 **Teacher Assistant**, *COMP 250 Introduction to Computer Science*, McGill.
- Weekly office hours to tutor students on fundamental computer science concepts and Java
- Regular brainstorming with the professor and other TAs to brainstorm tutorials, marking schemes, resolving student complaints, and other class related issues

2015 **Software Engineer Intern**, *Nuance Communications Inc.*, Continuous Integration.
- CI code stream monitoring and troubleshooting all stages of builds - validation, uploading to HPSA, deployment, and integration tests
- Maintenance of CI environment using Bamboo build system, VMware, HPSA, and script creation/modification
- Active participation in our daily scrum meeting and bi-weekly scrum planning

Research

2017 - current **Software Developer Researcher**, *Health Informatics Group*, Waiting Time Estimates using Machine Learning Methods.
- Using ML methods to estimate waiting time for oncology patients in the waiting rooms
- To be integrated into the Opal app, a patient-doctor hybrid app developed using OsenUI and AngularJS.

2017 **Software Developer Researcher**, *Health Informatics Group*, Virtual Reality using A-Frame.
- Working with A-Frame, third-party A-Frame utilities, and SketchUp
- Created virtual environments of Oncology treatment rooms for patients to explore to reduce anxiety
- Feature to be added to the Opal app, a patient-doctor hybrid app developed using OnsenUI and AngularJS

Projects

2016 **Ready2Eat**, *McGill*.
Web application for restaurant meal pre-order and reservation system.
- Full stack team of 4 for COMP 421 Database Systems course
- Established E/R model, PostgreSQL database and list of SQL queries necessary for our concept
- Worked with JaxaFX, Scene Builder, and JDBC API with PostgreSQL

2014 **Gin-Rummy**.
Developed Gin-Rummy card game application using Java.
- Two levels of difficulty implemented for AI opponents
- GUI for two human/AI players

Award

2017 **Natural Sciences and Engineering Research Council of Canada Award**, *Health Informatics Group*, McGill University Health Centre.
Machine Learning Research on Waiting Time Estimation for Oncology Patients.