

ANDY (MIN KYU) LEE

Systems Design Engineering

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Technical Experience

Web Designer | Gryphtech

HTML/CSS, Javascript, Bootstrap 4, Adobe Creative Suite

January 2020 - April 2020

- Designed and prototyped mobile and web applications in both **Waterfall** and **Agile** environments to develop and improve Gryphtech's product suite
- Developed responsive web applications to serve over **35,000** real estate agents from over **60 countries**

Frontend Developer | Fandom Wikia Bureaucrat

HTML/CSS, Javascript

March 2014 - July 2017

- Designed website modules on a Content Management System
- Conducted quarterly user reviews to undergo design maintenance, increasing retention rates by **20%**
- Lead team of developers to deliver a smooth service for over **100** users daily

Projects

SnowTrackr | NewHacks 2020

HTML/CSS, Javascript, C++, Arduino, Node-RED, Twilio API
2020

- Medium fidelity instrument that uses variable sensors to track the rate and type of snowfall in a region
- Integrated **OpenCV** to measure the depth of snowfall
- Incorporated the **Twilio API** to send SMS messages to users during dire snowfall conditions to mitigate and manage risk vulnerability

FitBud | StarterHacks 2020

HTML/CSS, Javascript, Google Cloud Platform API, Figma
2020

- Web application that provide a list of gyms and gym-frequenters in a localized area
- Incorporated design principles and conducted **user testing** to minimize **user stress** and maximize user engagement

Extracurriculars

SOAR Leader | Students Offering Assurance and Reaffirmation

September 2017 - June 2019

- Developed weekly lesson plans to deliver lectures and activities for new students with a focus on academics and professional mentorship

Technical Skills

Development

HTML/CSS, JavaScript, C++, Python

Design

Adobe Creative Suite, Figma, InVision

Frameworks/Libraries

Bootstrap 4, Node.js, jQuery, React

Hardware

Arduino, Node-RED, AutoCAD, Solidworks

Tools

Git/GitHub

Education

University of Waterloo

Systems Design Engineering

September 2019 - April 2024

Relevant Courses:

- Digital Computation in C++
- Data Structures and Algorithm
- Introduction to Design
- Human Factors in Design

Port Moody Secondary School

International Baccalaureate Diploma

September 2015 - September 2019

Interests

- Rock Climbing (5.11-, V3)
- Beach/Court Volleyball
- Playing Music (B flat clarinet)

Awards

- District/Authority Scholarship for Excellence in Fine Arts
- Elmer Helm Youth Fund Scholarship for Academic Achievement and Exceptional Community Involvement
- University of Waterloo Presidential Scholarship