

John Kyung Han

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<http://JohnHan.blue>

Education

B.S. Computer Engineering
University of Illinois Urbana Champaign

August 2017 - May 2021
GPA 3.90/4.0

Relevant Coursework

ECE 391 Computer Systems Engineering*, CS 374 Algorithms*, ECE 310 Digital Signal Processing*, CS 225 Data Structures, Automotive Electronics, CS 450 Numerical Analysis, CS 173 Discrete Math, ECE 210 Analog Signal Processing, ECE 313 & 314 Probability, ECE 220 Computer Systems & Programming *Fall 2019

Experience

John Deere, Intelligent Solutions Group, Engineering Intern

Summer, 2019

- Wrote embedded C++ code for the Section Control Application on the Gen4 Display in Deere tractors
- Utilized test driven development and code reviews produce production code living up to John Deere quality
- Developed a feature that will allow farmers to work more efficiently, producing greater yield with less material

Illini Solar Car, President

2019 - Present

- Currently leading a team of more than 100 students to design, fund, build, test, and race a road legal solar car
- Manage multiple meetings a week to ensure that deadlines are met, and that continuous progress is made
- Worked on improving team dynamics to ensure effective communication and collaboration

Illini Solar Car, Electrical and Strategy Team Member

2017 - Present

- Designed and worked with team members to build a telemetry application used to monitor and debug the car
- Developed data processing and analysis scripts to better understand car performance and improve strategy
- Utilized the telemetry app to lead the team's strategy at the 2019 Formula Sun Grand Prix resulting in a 4th place finish
- Worked with the car's data at all levels from the electrical CAN bus to wireless transmission to data parsing and analysis
- Performed maintenance, repairs and upgrades on the old car and worked with others on manufacturing the next car

iRobotics Junior Combatics, Member

2017 - Present

- Designed and built a robot with a team for the Combatics battle bot competition

Owl Tutoring, Co-Founder, Vernon Hills, IL (owltutoring.co)

2016 - Present

- Developed full stack website using AWS serverless Node backend, Vue frontend, and DynamoDB database
- Created automated scheduling and finance systems to manage and optimize day to day operations

Semester Abroad, La Universidad Pontifica Comillas, Madrid, Spain

Spring, 2019

- Utilized 11 years of Spanish education to improve interpersonal skills while working with people of many cultures

Office Max, Sales Associate

2016 - 2017

- Developed communication and sales skills by helping customers solve problems and fulfill their needs

Ascend Training, Intern

2015 - 2016

- Researched and organized keyword data raising business to top of Google search results for relevant queries

Projects

Custom Built Backpack

Summer 2018

MIT Battlecode Competition, AI game

January, 2017 and 2018

CS 196 Course Project, Node.js web application (r-place-game.herokuapp.com)

Fall, 2017

Skills

C++	JavaScript	Node.js	MongoDB	Linux	DipTrace	SolidWorks
Python	Java	Vue.js	DynamoDB	AWS	SEO	Spanish
C	HTML/CSS	React	GitHub	KiCad	Fusion 360	

Hobbies: Skiing, Sailing, Windsurfing, Piano, and Biking