

Won Yong Ha

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EDUCATION

Cornell University, Ithaca, NY January 2017 - Present
Master of Engineering in Systems Engineering
Specialization: Software Systems Engineering

Indiana University, Bloomington, IN August 2014 – December 2016
Bachelor of Science in Computer Science
Specialization: Programming Language
Minor: Mathematics
Cumulative GPA: 3.30/4.00

WORK EXPERIENCE

Microsoft Korea, Seoul, Republic of Korea May 2015 – July 2015
Information Technology Intern

- Developed products using Microsoft Visual Basic in order to improve and develop the mock services offered from client
- Developed a managing program using C language and created a mock seminar whilst working with a team of 3 programmers

Visukit Ltd, Seoul, Republic of Korea June 2015 – February 2016
Co-Founder & Researcher

- Founded Visukit Ltd, a software venture company with 4 other students in Republic of Korea
- Conducted competitive analysis of the current market and acquired sample code from open sources like google WebRTC
- Developed an application that allowed users to collaborate in real time on a web document utilizing WebRTC and Javascript

Indiana University Research Opportunities, Bloomington, IN
Research Assistant
Novel Ultralight Sensors for Aviation Migration Studies May 2016 – December 2016

- Researching and developing systems for avian migration studies to determine flight data for bird species
- Developing the software using C on ChibiOS to program an ADXL362 to store, process and save raw data

Image Determination in Emotions September 2016 – November 2016

- Developed a system using Python to filter over a million open source images
- Used Microsoft's API to parse images based on emotion and used that to map it to location data to analyze the correlation

Conception and Research on MEAN – MongoDB, Express, AngularJS, and Node.js August 2015 – May 2016

- Studied and researched MEAN and developed a webpage to see data as it refreshed in real time
- Presented my research to 7 lecturers at the ACM/SITIGE conference in Boston

Indiana University School of Computing and Informatics, Bloomington, IN
Undergraduate Instructor
C/H335 - Computer Structures (C and Assembly), C212 - Introduction of Software (Java and Linux) January 2016 – December 2016

- Helped over 20 students with assignments on computer structure and computer programming when holding lab hours at Indiana University.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C#, Swift, Scheme, Assembly
Web development: HTML, CSS, PHP, JavaScript (MongoDB, Express, AngularJS, Node.js)
Platforms: Microsoft Windows, Mac-OS, Linux
Miscellaneous: Microsoft Office, Eclipse, Xcode, Android Studio, Unity, Emacs

ACADEMIC PROJECT

Bus Data Study Fall 2015

- Analyzed current bus systems in Indiana University and suggested better route for efficient time management

Analysis of Eradicating Ebola Spring 2015

- Developed a mathematical model to determine most efficient path to transport medicine to Ebola affected areas

Engineering to Save the World Spring 2017

- Built a game with Unity (C#), showing conception of structure in engineering world

ACTIVITIES AND HONORS

CompTia IT Fundamentals Certifications Summer 2016
Mathematical Contest in Modeling Certificate of Achievement Fall 2015
Oracle Certified Professional, Java SE 6 Programmer Spring 2015
Oracle Certified Professional, Java EE 5 Web Component Developer Spring 2015

LEADERSHIP EXPERIENCE

Alpha Phi Omega – Mu Chapter Spring 2016 – Fall 2016

- Volunteered over 20 hours during the semester and held an event for helping local seniors

Korea Student Association, Pan-Asian Informatics and Computing Community Spring 2015 – Spring 2016

- Served as IT solution manager and lead developer to develop the homepage website for the club