

Won Yong Ha

wh346@cornell.edu | 646-923-1920
linkedin.com/in/wonyongha | hpmsora.github.io

EDUCATION

Cornell University , Ithaca, NY Master of Engineering in Systems Engineering with Software Systems Engineering	January 2017 – Present
Indiana University , Bloomington, IN Bachelor of Science in Computer Science with Programming Language Minor: Mathematics Cumulative GPA: 3.30/4.00	August 2014 – December 2016

WORK EXPERIENCE

Redym Co., Ltd , Seoul, Republic of Korea <i>Founder & Developer</i> <ul style="list-style-type: none">- Founded Redym Ltd, a software and hardware venture company in Republic of Korea- Developed a mobile application that image rendering with custom order and built a computing machine for mining the cryptocurrencies	June 2017 – Present
Comake , Ithaca, NY <i>Consultant</i> <ul style="list-style-type: none">- Researched and developed Comake chatting platform using Rudy on Rail, HTML/CSS, and Javascript- Developed a web application that preview the URL and document file of the chatting box for front-end side using Javascript	February 2017 – May 2017
Cornell University Research Opportunities , Ithaca, NY <i>Research Assistant</i> Engineering to Save the World <ul style="list-style-type: none">- Developed a game showing conception of structure in engineering world- Used Unity3D and C# to develop an algorithm for making chain node system and loading/saving function	January 2017 – Present
Microsoft Korea , Seoul, Republic of Korea <i>Information Technology Intern</i> <ul style="list-style-type: none">- Developed products using Microsoft Visual Basic 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	May 2015 – July 2015
Visukit Co., Ltd , Seoul, Republic of Korea <i>Co-Founder & Researcher</i> <ul style="list-style-type: none">- Founded Visukit Ltd, a software venture company with 4 other students in Republic of Korea- Developed an application that allowed users to collaborate in real time on a web document utilizing WebRTC and Javascript	June 2015 – February 2016
Indiana University Research Opportunities , Bloomington, IN <i>Research Assistant</i> Novel Ultralight Sensors for Aviation Migration Studies <ul style="list-style-type: none">- Researched and developing systems for avian migration studies to determine flight data for bird species- Developed a software using C on ChibiOS to program an ADXL362 to store, process and save raw data	May 2016 – December 2016
Image Determination in Emotions <ul style="list-style-type: none">- 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	September 2016 – November 2016
Conception and Research on MEAN – MongoDB, Express, AngularJS, and Node.js <ul style="list-style-type: none">- 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	August 2015 – May 2016
Indiana University School of Computing and Informatics , Bloomington, IN <i>Undergraduate Instructor</i> C/H335 - Computer Structures (C and Assembly), C212 - Introduction of Software (Java and Linux) <ul style="list-style-type: none">- Helped over 20 students with assignments on computer structure and computer programming when holding lab hours at Indiana University	January 2016 – December 2016

TECHNICAL SKILLS

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

ACADEMIC PROJECT

Blackjack Tactics <ul style="list-style-type: none">- Analyzed the blackjack game with counting card and suggested better way to distribute the amount of betting money	Spring 2017
Bus Data Study <ul style="list-style-type: none">- Analyzed current bus systems in Indiana University and suggested better route for efficient time management	Fall 2015
Analysis of Eradicating Ebola <ul style="list-style-type: none">- Developed a mathematical model to determine most efficient path to transport medicine to Ebola affected areas	Spring 2015

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