

SKILLS

Computer Languages:

High Proficiency: Java, Python, C++, C
Basic Proficiency: Ruby, R, Verilog, AVR asm
Some Experience: VBA, AppleScript, XML

Software:

Development: IntelliJ, Atmel Studio, RubyMine, Xcode
Informatics: MATLAB, Wolfram Mathematica,
Creative: Final Cut Pro X, Ableton Live, Photoshop

Natural Languages:

English: Native Speaker **Korean:** High Proficiency (TOPIK Level 5/6) **Spanish:** Basic Comprehension

EDUCATION

University of Iowa GPA: 3.33	Iowa City, IA	<i>BSE Computer Engineering</i> <i>Korean Studies Minor</i>	Anticipated Dec '19
Busan Kyungsang College	Busan, South Korea	<i>Rotary International Youth Exchange</i>	Aug '13 – Jul '14
Pusan National University	Busan, South Korea	<i>Visiting Student Program</i>	Aug '16 – Jul '17

RELEVANT COURSEWORK

Embedded Systems	Spring '18
<ul style="list-style-type: none">Built circuits for various labs on ATtiny and ATmega microcontrollers and programmed them in assembly and CDesigned a IoT reptile enclosure controller capable of automating and monitoring insect feeding, temp control, and UVB lighting over Wi-Fi.	
Intro to Software Design	Fall '17
<ul style="list-style-type: none">Completed 12 Java projects over topics including GUIs(Swing and JavaFX), Multithreading, and NetworkingSinglehandedly wrote the networking and database framework for a group chatting application as part of a weekend-long group assignment while collaborating with group members on the interface and GUI	
Intro to Digital Design	Fall '17
<ul style="list-style-type: none">Designed logic circuits for lab projects including a traffic control system and a multi-function stopwatch and Implemented these designs using basic logic ICs, or VHDL on an Altera Cyclone FPGA development board	
Data Structures	Fall '17
<ul style="list-style-type: none">Wrote an application suite in Java for efficiently computing the semantic similarity of words given training data from large texts in java and analyzing and displaying the data found	

WORK EXPERIENCE

Private Tutoring, University of Iowa	Jan '15 – present
<ul style="list-style-type: none">Tutored students in various beginning-level Computer Science and Engineering coursesHelped improve some students' exam scores by multiple letter grades	
Patient Education Institute, Coralville, IA	Summers '10 – '13
<ul style="list-style-type: none">Edited XML files of healthcare tutorials, recorded demos, and uploaded to YouTubeSinglehandedly ran a YouTube channel for the company's marketing departmentGained 1,145 subscribers and grew views from ~33K to 2M+ million during my tenureIncreased views per month from 9,492 to 160K, with 6M+ views on the channel to dateImproved YouTube channel's SEO rank by marketing through social media and Q&A sites	
Freelance Video Production and Editing work, Busan, South Korea	Aug '16 – present
<ul style="list-style-type: none">Compiled rough cuts for 3 music videos in Final Cut Pro X working under directorCreated storyboards, scouted filming locations, and edited rough and final cut as co-producer of a music video	

EXTRACURRICULARS

Pi Alpha Phi – Asian American Interest Fraternity in the Multicultural Greek Council
<ul style="list-style-type: none">Recruitment Chair: Planned rush events with other Greek orgs, designed and published marketing materials.Brotherhood Chair: Increased average attendance of brotherhood events by more than doubling number per semester
ROTEX – Rotary Youth Exchange Returning Student Committee
<ul style="list-style-type: none">Trained outbound/inbound exchange students for their exchange on retreats hosted by Rotary InternationalDeveloped and led my own language study program to teach effective language learning techniques outbound exchange students