

JaeYoung Chang

jchang5@nd.edu | (248) 924-8556

48441 Binghampton Drive, Northville, MI 48168

EDUCATION

University of Notre Dame GPA: 3.686

Notre Dame, IN

- Pursuing a BS in Computer Science, Minor in Engineering Corporate Practice
- *Relevant Coursework:* Data Structures, Logic Design, Systems Programming, Fundamentals of Computing, Discrete Mathematics, Introduction to Embedded Systems

May 2022

Detroit Country Day High School GPA: 3.85 | ACT: 35

Beverly Hills, MI

- *Relevant Coursework:* Advanced Computer Science (AP)

June 2018

EXPERIENCE

Simon Group Holdings

Birmingham, MI

Technology Project Management Intern

Summer 2019-Present

- Selected to exhibit Fuel Automation Station's (a child company of Simon Group Holdings) hardware and software capabilities to hundreds of attendees at Abu Dhabi International Petroleum Exhibition & Conference (ADIPEC)
 - *Hardware:* 40' fueling container equipped with 28 hoses and 28 guided wave radar sensors that fill multiple pieces of equipment simultaneously; SCADA system to automate the process of fueling
 - *Software:* The FAS Cloud, a website from where companies can monitor live data analysis on gallons pumped, equipment utilization, fuel inventory levels, delivery tickets, and more
- Introduced a Customer Relationship Management system (Salesforce) into Simon Group Holdings' tech companies
 - Conducted feasibility studies during the decision process to select the best-fit CRM system
 - Implemented the Salesforce CRM to be fully functional and specific to all of the tech companies' sales processes
 - *Technologies:* Apex, Salesforce-native Coding
- Conducted crude oil price sensitivity analyses to identify strategic customers for Fuel Automation Station
 - *Technologies:* Microsoft Excel Macros (VBA), Microsoft PowerPoint
- Created and introduced an organized, detailed inventory management system to manage inventory from various vendors for all of Fuel Automation Station's fueling container units
 - *Technologies:* Smartsheets
- Selected to visit the Fuel Automation Station (FAS) command center and operating frac sites in-and-around Houston, Texas to research the needs of FAS operators and identify places for improvements for the FAS cloud website

Fundamentals of Computing Project

Fall 2019

- Used C++ and XCode to program a user-interactive graphic game, called Eggs in the Basket
- User controls the basket (using WASD) and catches eggs that move across the screen at different speeds and directions

Introduction to Embedded Systems Project

Spring 2019

- Programmed and wired a circuit board to make LED lights turn on/off, grow brighter, and blink based on the volume of the surrounding sound captured through a Fast Fourier Transform (FFT) Sound Sensor
- Used the Arduino Programming Language, based on the wiring of the circuit board

Introduction to Engineering II

Spring 2019

- Used MATLAB to program a GUI that predicts the closing price of a given stock based on data from the previous nine years and based on multiple covariates inputted by the user

ACTIVITIES

Sorin College Hall Government, *Technology and Multicultural Commissioner*, 2019-Present

Korean Student Association, *member*, 2018-Present

SKILLS

Technical: C/C++, Unix Shell Scripting, Python, Java, Javascript, HTML, CSS, Git, MATLAB, Arduino, Microsoft Office, SolidWorks