

Joshua Park

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OBJECTIVE:

Syracuse University senior with experience in both research and software development. Aiming to obtain a software development position to utilize my experience and problem-solving skills

EDUCATION:

Syracuse University, College of Engineering and Computer Science
Bachelor of Science, December 2020
Major: Computer Science
GPA: 3.42
ECS Leadership Scholarship

Crescenta Valley High School
May 2017

SKILLS:

Programming: Java, C/C++, Python, MIPS, Haskell, HTML, CSS, Javascript, Swift
Frameworks/Tools: ReactJS, Git, TensorFlow
Languages: Korean (Conversational), Spanish (Conversational)

RELATED COURSEWORK:

Analysis of Algorithms	Introduction to Artificial Intelligence
Design of Operating Systems	Data Structures
Evolutionary Machine Learning	Software Specification/Implementation
Social Media & Data Mining	

RELATED WORK EXPERIENCE:

Technology Consultant Intern, Jireh Clothing, Los Angeles, California

June 2019 – August 2019

- Analyze information to determine, recommend, and plan installation of a new system or modification of an existing system.
- Analyze needs and software requirements to determine the feasibility of design within summer time constraint
- Create an inventory system that would communicate with different services already being utilized to streamline the business flow

ECS REU Summer Intern, Syracuse University, Syracuse, New York

June 2018 – August 2018

- Assist Dr. Steve Chapin in developing a prototype implementation of an Electric Vehicle Charging Negotiation Platform
- Analyze and interpret quantitative and qualitative results
- Prepare reports consisting of progress and final product to be presented to the ECS REU program.
- Develop a protocol for the exchange of electrical power between the electrical grid and electric vehicles.

ENGINEERING APPLICATIONS:

Swarm Research and Design, Jisan Research Institute, Alhambra, California

January 2014 – November 2016

- Assist Dr. Sanza Kazadi in utilizing swarm design methodology to develop classes of swarm solutions to specific specifications.
- Lead a team of high school students in developing and collecting quantitative data on simulations of swarm classes.
- Prepare a research paper and poster to publish/present at ICAART 2017
- Research Paper Title: Generating Swarm Solution Classes using the Hamiltonian Method of Swarm Design

Projects:

NearMe

- An iOS app that will allow users to pick locations that they would like to visit and the app would send a notification whenever they are within a set distance. Developed using the Agile methodology.

LazyBot

- A Reddit bot that takes an image as input and puts lasers on the eyes while also “deep-frying” the image. Packages/libraries used include PRAW, OpenCV, PIL, Re standard library, Imgur API

President Sentiment Analysis

- A data mining project that collects tweets with the Twitter API and processes the tweets using the Sentiment140 API. This was used to analyze the general sentiment for each presidential candidate and “predict” the winner of the election.