DANIEL KWEON

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EDUCATION

Virginia Tech | Computer Science & Mathematics B.S.
Expected Graduation Spring 2021
Overall GPA: 3.8 out of 4.0 - Deans List (4/4 semesters)

Relevant Coursework
Machine Learning, Intermediate Data Analytics & ML, Cryptography, Comparative Languages, Computer Systems, Number Theory

Research
Educational Data Analytics Research
- Developing an interactive problem-solving platform to allow educators to collect data on problem-solving processes

Clubs
Hackers@VT
- Organizing and hosting hackathons, workshops, and networking events

WORK HISTORY

KPMG LLP Advisory Baltimore, MD
Software Engineering Intern | 06/2019 - 08/2019
- Developed automated deployment tools for customizable dialogs in chatbots through integration with Google Cloud Platform tools
  (React, Angular, Javascript)

Optimal Satcom Inc. Herndon, VA
Software Engineering Intern | 12/2018 - 01/2019
- Created a lite version of the current software for client specific needs
- Implemented an embedded Excel sheet viewer using the DevExpress library
  (C#, SQL)

Optimal Satcom Inc. Herndon, VA
Software Engineering Intern | 05/2018 - 08/2019
- Implemented new features using MVVM architecture on Satellite Enterprise Capacity Management programs
- Extended export functionalities between different mapping software and templates
  (C#, SQL)

George Mason University Robotics Lab Fairfax, VA
Robotics Intern | 06/2016 - 01/2017
- Developed an indoor vision-based localization system using OpenCV for multi-agent robots, the GMU Flockbots
- Integrated the automated localization into the Flockbots library to reduce errors in kinematic calculations
  (C++)

LINKS

Website
daniel.kweon.dev

GitHub
github.com/daniekweon

LinkedIn
linkedin.com/in/daniel-kweon

PROJECTS

Chess Engine
- Developed a Chess Engine using the Minimax search algorithm optimized with Alpha-Beta Pruning
- Implementing Machine Learning techniques for automated self-training
  (Python)

PuzzLED
- Designed and constructed an interactive colorful tangram puzzle board fitted with a triangular lattice of LEDs
- Awarded the 2018 Children's Museum of Blacksburg Selection

Iron Man Gauntlet
- 3D modeled and printed an Iron Man Gauntlet fitted with sensors and a Bluetooth shield controlled by an Arduino
- Built an Android application to control the Iron Man Gauntlet LED colors

SKILLS

Java

C

Python

Javascript

Angular

React