Je Park

Software engineer with a strong foundation in engineering and mathematics, looking to apply/or contribute to a cutting-edge organization.

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GitHub: jjayp4rk

PROFESSIONAL EXPERIENCE

Solomon Academy, Centreville VA — *Mathematics Teacher*

JAN 2012 - PRESENT

Teaching high school mathematics courses and SAT prep in the Fairfax County area to help students learn new concepts, improve on current mathematical skills, and improving their grades and SAT scores.

PEG LLC, Fairfax, VA — *Mechanical Engineer*

January 2018 – June 2018

Prepare Manual J/S recommending HVAC systems for residential units using WrightSoft. Manual D prepared permitting documents signed by PE. Conduct load calculations for residential units in order to optimize heating, cooling, and ventilation.

PROJECTS

Handy-Helper App — *Single webpage to-do application*

Created basic backend and frontend for a simple to-do application using AngularJS, Node, Express, and MongoDB. Applied CRUD, four basic functions of storage.

FullContact Form — *Contact information retrieval REACT App*

Created a REACT simple contact form application that retrieves basic information and social media information using FullContact API.

https://full-contact-searcher.herokuapp.com/

Auto-level Quadcopter — *Auto-leveling quadcopter design project*

Led a team of fellow mechanical engineer students in creating and successfully auto-leveling a quadcopter. Implemented a proportional-integral-derivative (PID) controller using an ArduinoUno.

NACE 2017 — *Semi-autonomous corrosion detection vehicle*

Awarded third place in the National Association of Corrosion Engineers corrosion detection competition. Led the team in developing the controls and mechanics of the vehicle.

EDUCATION

George Mason University, Fairfax VA — *Mechanical Engineering B.S.*
JULY 2015 - MAY 2017
GPA 3.56

George Mason University, Fairfax, VA — *Biology B.S.*
AUGUST 2010 - MAY 2015.
GPA 3.14

TECHNICAL SKILLS

JavaScript

Python

React

Node

Express

Angular

MongoDB

Webpack

Git

LANGUAGES

English, Korean