JEFFREY PENG

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EDUCATION

VIRGINIA TECH
B.S. IN COMPUTER SCIENCE
MINOR IN CYBER SECURITY
AND MATH | GPA: 3.54
Blacksburg, VA | Expected May 2021

SKILLS

•Java • Python • C/C++
•SQL/MySQL • JavaScript • HTML
• CSS• Ruby •Linux •Git • x84-
64 • JSAV •Jinja2 •RST• JSON
•jQuery • Microsoft SQL Server
• Data Structures

COURSEWORK

Software Design / Data Structures
Computer Organization
Competition Problem Solving
Intro to Database Management
Programming in Python
Computer Systems
Operating Systems
HTML, CSS, JavaScript

LINKS

Designed Website:
https://classwork-236715.appspot.com/

LinkedIn:
https://www.linkedin.com/in/jeff-peng-2bbbb1105/

AWARDS

Spring 2018 ENG Drone Design
Winner
Eagle Scout
Virginia Tennis State Champion

U.S Citizen

EXPERIENCE

VIRGINIA TECH, ALGORITHM VISUALIZATION RESEARCH | RESEARCH ASSISTANT
July 2019 - Present | Blacksburg, VA

- Developing a new book in OpenDSA, a federally funded open-source courseware which has taught over 2.9 million students about Data Structures and Algorithms, that deeply integrates textbook-quality content with algorithm visualizations and interactive, automatically assessed exercises.

BOY SCOUTS OF AMERCIA | EAGLE SCOUT PROJECT LEADER
September 2015 – September 2015 | McLean, VA

- Led a group of 40 people on building benches and growing a new vegetable garden for seniors at the local center to have fresh ingredients to eat. Project included a total of over 120 work hours.

CODER KIDS | COUNSELOR AND TEAM MANAGEMENT
June 2018 – August 2018 | McLean, VA

- Educated and mentored around 10 children at a time about the options that programming, and technology can bring.
- Generate achievement reports for clients to view the progress of their children weekly and establish future course plans for these children to grow.

PROJECTS

OPENDSA | UNDERGRADUATE RESEARCH ASSISTANT
July 2019 - Present

- Adding a new book on Turing Machines in the OpenDSA course which is used to teach students at Virginia Tech and many other universities. I work with Java, Python, Ruby, jQuery, JavaScript, HTML, CSS, RST, and JSON.
- Use the JSAV library with JavaScript to create diagrams, slideshows, Turing Machines, and grading algorithms.

SEARCH ENGINE | LEAD BACKEND DEVELOPER

- Built a working search engine and web crawler that allowed a user to search for used cars. The search engine would attempt to crawl through many used car dealership and sort by price. Made using Java, HTML, CSS, and JavaScript.

ACTIVITIES

VIRGINIA TECH COMPETITIVE PROGRAMMING TEAM | MEMBER
February 2019 – Present | Blacksburg, VA

- Represent Virginia Tech while doing intercollegiate and international competitions on a weekly basis.

THETA TAU PROFESSIONAL ENGINEERING FRATERNITY | PLEDGE PROFESSIONAL DEVELOPMENT CHAIR
August 2019 – Present | Blacksburg, VA

- Pledging process of becoming a brother of a fraternity dedicated to improving their members professionally.