**JEFFREY PENG**

571-594-9655 | jeffp123@vt.edu

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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 • R S T • 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. |