Pakon (Pete) Pongpeauk

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Objective

Computer science major with a concentration in software engineering. Seeking a software engineering internship for March – August 2023.

Education

- **George Mason University**, Fairfax, Virginia *August 2022 - Present*
  - Bachelor of Science in Computer Science Expected Graduation: May 2026

Experience

Johns Hopkins University Applied Physics Laboratory - Laurel, Maryland *June 2021 – April 2022*

Nation's largest research center for universities assisting the U.S. government in the development of technology and national priorities.

ASPIRE High School Intern, Space Exploration Sector

- Written and researched artificial intelligence systems utilizing weather satellite data to predict disease outbreaks ahead of time.
- Developed AI model with TensorFlow machine learning platform.

Projects

Linkedin Job Sleuth | *JavaScript, Python* *January 2023*

- Developed a web application that finds common certifications as well as required and preferred qualifications for job listings found under search queries on the LinkedIn social platform.
- Designed and built front-end with React.js and custom CSS.
- Use of Selenium, Django, and Requests library as well as API endpoints that were gathered via. network tools.

arlington-va-traffic-view | *JavaScript, Python* *November 2022*

- Developed a web application for viewing traffic cameras in Arlington, Virginia, useful for staying informed about the weather, road conditions and traffic accidents in the area.
- Reverse-engineered county's traffic camera feed API with Postman and network tools.
- Front-end built with Electron, React.js, and custom CSS.
- Back-end built with Python.

Eveentual | *JavaScript* *August 2022*

- Developed an RSVP web application that allows users to reserve limited spots for events.
- Designed and built front-end with React.js and custom CSS.
- Use of Firebase app development platform.

Skills

Languages: Python, C++, Java, JavaScript, HTML, CSS, Lua, Bash
Frameworks: PyTorch, TensorFlow, Numpy, OpenCV, React, React Native, Bootstrap, Django, Flask, Express
Tools : Git, Docker, Firebase, Heroku, Jupyter, Linux, Postman
Hardware: Raspberry Pi, Arduino

Activities

- **Yorktown High School STEM Club – Co-Founder** *September 2020 – May 2022*
  - Discussed and designed technological solutions to address problems faced in the real world (e.g., neural-network-powered mobile applications to assist natural disaster victims)