Pakon P. Pongpeauk

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Objective

Computer science major 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

Skills

Programming Languages: Python (PyTorch, Numpy), C++ (Arduino), Java, JavaScript (Node.js, Express, React), HTML/CSS (Bootstrap, Tailwind), Lua
Platforms : Linux (Ubuntu, Arch)
Hardware: Raspberry Pi, Arduino
Software: GitHub, Docker, Jupyter Notebook, Visual Studio Code
Languages: English (native), French (classroom)

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
- Trained AI model with TensorFlow machine learning platform

Projects

- **arlington-va-traffic-view** *January 2022*
  Traffic camera viewing interface written in Node.js, JavaScript, and Python
  - User interface 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 networking tools
  - Front-end built with Electron, React.JS, and custom CSS
  - Back-end built with Python
- **Eveentual** *August 2022*
  Event RSVP web application written in JavaScript
  - Designed and built front-end with React.JS and custom CSS
  - Use of Firebase app development platform

Activities

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