

Pei-Cheng Huang

peicheng@vt.edu | 202-615-7349

[linkedin.com/in/pei-cheng-huang](https://www.linkedin.com/in/pei-cheng-huang)

<https://github.com/pchuang34>

Seattle, WA

Education

Virginia Polytechnic Institute and State University (Virginia Tech), VA, USA Jan. 2021-Dec. 2022

- Master of Engineering in Computer Science (GPA: 3.87/4.00)

National Chiao Tung University (NCTU), Hsinchu, Taiwan Sep. 2013-Jun. 2017

- B.S. in Biological Science and Technology (GPA: 3.63/4.30)

Experience

Software Developer Intern May. 2022-Aug. 2022

Engineering Team, Ren Energy Portland, OR, USA

- Implemented internationalization on the Ren platform based on the Angular i18n module to fulfill the demand for Chinese-speaking market development.
- Built a custom workspace generator in Nx to generate a boilerplate for a library so that a library with the i18n setting can be created by the terminal command in the future.

Assistant Engineer Jul. 2020-Nov. 2020

R&D Department, Tien Kang Information Ltd. Kaohsiung, Taiwan

- Developed web apps of custom business management for the digital transformation of traditional industries with ASP.NET framework in C# programming language.
- Refactored and polished the responsive GUI for high-resolution devices, which increased 54% web visits.
- Implemented MVC data-access objects by ADO.NET and SQL Server for new features.

Software Engineering Intern Sep. 2019-Dec. 2019

IT Department, SGS Taiwan Ltd. Taipei, Taiwan

- Developed and maintained a Robotic Process Automation (RPA) program with UiPath Studio and VB.NET.
- Implemented feature recognition application for battery testing data analysis for the testing department.
- Collaborated with the battery lab to build and refine an RPA program to analyze error-prone experimental data and saved 144 hours of work for data processing per year.

Projects

Capstone Project: Umart (Team Project) Sep. 2022-Nov. 2022

- Built a responsive web application for second-hand trade, using TypeScript, React.js, and Material UI.
- Dockerized and deployed the website to Virginia Tech Rancher (Kubernetes) for scalability and reliability.

Gallery Mobile App Apr. 2022-May 2022

- Built an android application called Gallery to display photos in both a grid view and a map view from Flickr API with Kotlin and service of Google Cloud Platform.
- Cached thumbnails and integrated the Flickr web page displaying specific photo when clicking that photo.

Web Bookstore Sep. 2021-Dec. 2021

- Built a data-centric web application with responsive GUI, including client/server-side transaction validation, session handling, resource management, and user history in Java and JavaScript.
- Constructed the middleware and RESTful APIs with Java Servlet, Apache Tomcat, and the database by MySQL.

Skills

Programming Language: Java, Python, C++, C#, VB.NET, JavaScript, TypeScript, Html, CSS, Kotlin

Databases/OS: MySQL, SQLite, SQL Server, ADO.NET, Linux (Ubuntu), Windows, macOS

Frameworks/Tools: Git, React, Angular, Nx, Vue.js, Android Studio, UiPath Studio, RESTful APIs, Docker