

KA CHUN WONG

kwong51@terpmail.umd.edu | Rockville, MD 20850 | (240)743-0855 | github.com/cjpp0012

EDUCATION

University of Maryland, College Park, College Park, MD

May 2022

Bachelor's Degree in Computer Science

Related Coursework: Discrete Structures, Algorithms, Advanced Data Structures, Computer Vision, Network Security, Programming Handheld Systems, Intro of PHP and JavaScript, Computer System Architecture

TECHNICAL SKILLS

Web Development Skills: HTML5, CSS, JavaScript, React.js, PHP, MongoDB, MySQL, TypeScript, WordPress

Tool: Git and GitHub, Microsoft office (Excel, Word, PowerPoint)

Object-Oriented Language: Java, Python, C++, C#, OCaml, Swift, R, PHP, Ruby

Communication skills: Excellent written & Verbal Communication, Team player

RELATED EXPERIENCES SKILLS

Web Designer/Developer Intern, UNIVERSAL PHOENIX GROUP LLC

Sep 2022 – Present

- Assist development research for clients.
- Work with database systems including MySQL.
- Work with off-the-shelf and open-source CMS systems WordPress.
- Work on projects including web layout enhancements, desktop applications, website enhancements, web-based applications, and database-backed websites.
- Test company websites with multiple browsers to maximize traffic capabilities.

Video Game (mobile & online) Programming Intern, UNIVERSAL PHOENIX GROUP LLC

- Assist with creating the design documents for the development team to follow.
- Work with developers and artists to oversee the implementation of features and game system.
- Make changes or revisions to Supervisor for approval.
- Resolve programming problems with development supervisors.
- Communicate progress of work to appropriate production staff.
- Working on games and tools to support game development

PROJECTS

[Price Tracker Application](#) | **Languages:** JavaScript, CSS, HTML

- Developed front-end and back-end components to query and monitor the price history from Amazon.
- Learned to use React and Express to build the full-stack website and further reduce response time and optimize the page's load speed to help improve reliability and efficiency.
- Used Amazon and eBay API to retrieve products information from their server.
- Deployed MongoDB on Heroku to ensure that data can be stored and fetched in real time.

[ATM Simulation project \(BIBIFI\)](#) | **Languages:** C

- Used C to write a secure protocol and program to allow encrypted data transfer between ATM client and bank server via a reliable mechanism against MITM integrity attack, Replay, DOS, Spoofing Traffic attacks
- Applying strong input validation, threat modelling, encrypt and decrypt in CBC mode to minimize the risk of unauthorized access, data breach or modification of data.

[Arcade-Like Space Shooting Game](#) | **Language:** Swift

- Created a 2D scrolling shooting game with the goal of keeping users engaged and ease of use
- Taught myself Swift, SpriteKit 2D animation and SceneKit framework starting with no prior experience.
- Participated in bi-weekly meeting to discuss progress, implementation, and plan upcoming priorities.
- Implemented app IOS device users can control the spaceship via virtual joystick and buttons and shoot at enemies to achieve higher scores.
- Designed and built a responsive UI with screen transition for different scenes, leader board
- Assisted testing enemy's logic behavior

Raspberry Pi Enabled Web Controlled Fish Feeder | Language: Python

- Created simple web app using PHP and hosted it on my Raspberry Pi Zero W (Single-board computer)
- Built solenoid circuit around Raspberry Pi that releases fish food whenever a button is clicked on the web app

OTHER EXPERIENCE

Manager Assistant & Cashier, *Quickway Japanese Hibachi, Rockville, MD* January 2021 – Sep 2022

- Compiled payroll data such as hours worked, taxes, enter data into computer files, compute wages and post to payroll records.
- Always provides positive and courteous service.
- Addressed customer needs and responded to questions in person and via telephone.
- Operated cash register with proficiency.
- Design posters, direct mail, billboards, and menu's using Adobe Photoshop.
- Generated 15% increase in revenue after revitalizing marketing strategy with internal data

ACTIVITIES

Member of XR club, Augmented and Virtual Reality

- Participated in application design using Unity and learned basic VR Development.

Participated in Bitcamp at University of Maryland

2021 - 2022

- Developed an application to collect and analyze tweet content by using twitter API, React, and Firebase database.