Jasper Charlinski

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 github | linkedin

EDUCATION

Bachelor of Science, Major in Computer Science   **Sep 2021 - Apr 2025**

Vancouver Island University   *Nanaimo, BC*

Diploma in Computer Science   **Sep 2021 - Apr 2023**

Vancouver Island University   *Nanaimo, BC*

Notable Courses Computer Science 1 and 2 | Data Structures and Algorithms | Database Systems | Networks and Communications
Software Engineering | Operating Systems | System Analysis | Business Computer Applications | Web Programming and Design

SKILLS

Programming Languages Python | C | C++ | C# | PHP | JavaScript | CSS3/HTML5 | SQL | Bash and Batch | PowerShell Script | VBA in Excel

Technologies and Concepts MySQL | SQLite | Oracle DB | React.js | Node.js | Make / CMake | Git | IPV4 | TCP/UDP | DNS | DHCP | VOIP
LAN/VLAN/WAN | OSI Model | Bash CL | CMD | UNIX | Windows 7 - 11 | MS Office | Computer Hardware and Architecture

NOTABLE PROJECTS

ViewPark VIU Parking Tool   **Jan 2023 - May 2023**

Full Stack Developer and Project Manager

- Collaborated with a team in building a computer vision application designed to provide users with an accurate lot occupancy percentage for each lot on the VIU campus as well as a predicted occupancy for each operating hour. Was developed with an Agile SDLC, utilizing a Model View Controller architecture and Object Orientated design principles.

- Lot images are updated on five-minute intervals and analyzed by a Python program utilizing the OpenCV API, on each interval lot data is stored in a SQLite database. PHP is used to retrieve data for the web interface, showing the user an up-to-date occupancy percentages, as well as showing forested occupancy with a dynamic bar graph. PHP is also used for account CRUD and authentication using password hashing and session tokens.

- Front-end is built with ease in mind, utilizing JavaScript for UI components, and CSS to ensure a responsive site on all devices. The application is hosted on an Apache server behind a VIU firewall in a password-protected directory.

- As the project manager, I assumed responsibility for the allocation of project deliverables and associated deadlines among team members, in addition to overseeing the management of our team's Git version control. My hands-on approach to leadership led to our essential features being completed ahead of schedule, and also ensured our version control was absent of merge conflicts.

Repo: https://github.com/charlijj/ViewPark

CommuniTools   **Sept 2022 - May 2023**

Full Stack Developer

- Independently developed a CLI application designed to allow community members to share tools with each other. The relational database was designed with key principles in mind and implemented using the Oracle database engine.

- Application was developed in C++ utilizing the Oracle C++ Call Interface API, the connection environment to the database server is created in the constructor and closed in the destructor of a Database class, separating the database authentication from the application.

- all utilized statements are prepared in the constructor of a CommuniTools class and terminated in the destructor, ensuring each statement is initialized only once, can be accessed by any other method, and is not prone to SQL injection.

Repo: https://github.com/charlijj/CommuniTools

NanaimoIT   **Nov 2019 - Current**

Founder / Full Stack Developer / IT Support Technician

- Independently founded an IT support business operating out of Nanaimo BC. Services I offer include technology setups (computers, home theaters, printers, ect.), OS installs and repair, Network setups (routers, switches, VOIP phones, WIFI extenders, ect.), Data transfers and recovery, and general troubleshooting or tutorials.

- Created a real time messaging system through my website utilizing Firebase and Firestore allowing me to instantly receive appointment requests and inquiries from clients. UI was implemented in React.js to ensure a modular and easily upgradeable design.

- Developed excellent client relation skills and the ability to manage 20+ client requests concurrently, as well as the ability to keep detailed service records and client documentation in an organized manner. Additionally, I developed excellent time management and scheduling capabilities alongside basic accounting skills aided by Excel and VBA.

For a full list of projects: https://github.com/charlijj

EXPERIENCE

Geek Squad   **May 2023 - Current**

Repair and Help Desk Technician   *Nanaimo, BC*

- Troubleshoot software and hardware issues on Windows, MacOS, and Linux PCs. Install and replace PC components, install and recover Windows 7 - 11, MacOS, and Linux operating systems, recover data from corrupted or damaged drives. Explain issues and solutions in layman's terms to non-tech-savvy clients. Manage client expectations and provide accurate time of completion estimates.

- Achieved $262,000 in revenue in the first 3 months of employment, generating the company $35,000 in GM.

- Developed excellent customer service skills and the ability to work with dozens of clients simultaneously without degradation of the customer's experience. As a result I earned employee of the month twice in the first 4 months.

Thrifty Foods   **Nov 2018 - Sept 2021**

Grocery Service Clerk Shift-Supervisor   *Parksville, BC*

- Reduced Dairy/Frozen Shrinkage by 25% by creating a new organization system based on expiry date and time spent in back-stock.

- Assisted Grocery Managers in ensuring staff are performing tasks correctly and in an efficient manner, as well as following proper health and safety standards.

- Responsible for directing, supporting, and mentoring 15+ grocery staff.

ACHIEVEMENTS

- Earned Deans' List first and second year, averaging a 4.0 GPA, showing strong work ethic and commitment to learning.

- Placed 4th in a nationwide Microsoft/TECHNATION Developers Team Challenge as a VIU student, demonstrating proficiency in team Development.