

Chris Warren

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BSc Computer Science
Minor in Music

Languages

Python	●●●●●
Java	●●●●○
HTML/CSS	●●●●○
C#	●●●●○
JavaScript	●●●○○
PostgreSQL	●●○○○

Tools & Libraries

Unity
Git
Photoshop / Illustrator
Aseprite
Tensorflow
NumPy

ABOUT ME

A dynamic and team-oriented software engineer with a keen interest in game development looking to push boundaries and further advance my skills to meet the demands of an ever-changing world.

SKILLS

Programming: readable, efficient, scalable code

Algorithms: analysis, design, evaluation

Data mining: classification, regression, clustering, dimension reduction

Graphics: modelling, animation, rendering (raytracing and shaders)

Music information retrieval: signal processing, machine learning,

Databases: normalization, design, implementation

Human computer interaction: design and evaluation of interfaces

Interpersonal: teamwork, customer service, client relations

Problem-solving: analysis, creative solutions, troubleshooting

Business: project management, decision support, marketing

Communication: SOPs, documentation, meetings, presentations

PROJECTS

Open-Synth

Developed a motion controlled 'e-theremin' using object tracking to convert positional data into frequency/amplitude data that is fed real-time into a synthesizer. This was developed in Python and leveraged OpenCV for object tracking.

Stock Market Prediction

Designed a model that gauges public sentiment towards companies based on reddit posts. Data was compiled into a time series dataset used in a machine learning model to predict future stock prices. This was written in python and utilized the NLTK library.

Shinobi Run

A mobile game that I am developing as a challenge to get a game to production as fast as possible. This game is being developed in Unity and C# with the intention of releasing it on Android and IOS.

WORK EXPERIENCE

Statistics Canada (June 2021 – August 2021)

Census 2021 Enumerator

- Met all quality standards for data collection and entry, minimizing case review.
- Maintained informative, concise notes, ensuring effective transfer of cases to other enumerators.
- Trained new enumerators, assisting with staff shortages during the collection period.
- Engaged hesitant people and addressed concerns, increasing census participation and satisfaction.

AML Oceanographic, Web Designer/Developer

(September 2018 – April 2019)

Reporting to the marketing manager, responsible for managing web development and maintenance to support the sales and growth of the company:

- Performed Webmaster duties such as regular back ups, updates, and testing to help create a stable and enjoyable user experience.
- Maintained and developed WordPress website by updating or replacing code and plugins as they became outdated.
- Developed Google Ads marketing campaign which helped increase traffic by targeting key demographics and search terms.
- Designed, tested, and deployed a CRM system, which automated email-based marketing and user data collection to increase customer engagement and retention.
- Created and improved documentation to support handoff of web maintenance.

Labour Positions

Arbutus Exteriors, Labourer (May 2018 – August 2018)

Victoria Student Painters, Production Manager/Painter (May 2017 – August 2017)

Student Works Painting, Painter (June 2016 – September 2016)

- Lead teams to ensure that projects stayed on budget while maintaining quality targets
- Onboarding and training of new employees

Retail Positions

Petro Canada, Gas attendant (June 2014 – October 2015)

Larsen's Music, Service Associate (August 2014 – September 2014)

Thrifty's Foods, Grocery Associate (June 2013 – October 2013)

- Manage inventory, operate independently, provide customer service

REFERENCES

Available on request