Crystal Parker

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EDUCATION

Dalhousie University — GPA: 3.62/4.30 Halifax, NS

Bachelor of Computer Science, Minor in Biology — Sexton Scholar, Dean's List *Jan 2021 – Jan 2024*
- Relevant Courses — Software Engineering, Cloud Computing, Advanced Web Services, Adv. Database Systems

EXPERIENCE

NearArcade Collaboration Apr 2022 – Jan 2023
NearArcade *Remote*
- Collaborated on HTML5 game with Curtis Robinson Senior Developer and LoMaking NFT Artist
- Coordinated collaboration, communication, and presented ideas/progress
- Contributed approximately 30% of JavaScript code and wrote the NEAR contract in Rust with tests
- Best week 3575 plays, top 20 players over 100 plays each and top player played 458 times
- Website: neararcade.com/mrbrown/

Website Developer Sep 2019 – Present
Freelance *Halifax, NS*
- Developed websites using Python frameworks Flask, Django, and CMS Mezzanine for 4 clients
- Increased contacts through email by 70% for one client leading to less time spent fielding calls
- Provided technical support and tutoring to 2 senior clients
- Websites: donmewsphotography.ca, cos-dev.org , captainsinnalma.ca

Art Course Blog WordPress Apr 2016 – Jan 2019
Freelance *Halifax, NS*
- Marketing and communications : 11 courses sold, 360 subscribers, 34% open rate, and 5.8% click rate

PROJECTS

StockVision | *React, NodeJS, ExpressJS, NEXT.js, Material-UI, MongoDB, Git* Jan 2023 – Apr 2023
- Developed user authentication for full-stack MERN stock tracking application
- Mediated conflict resolution to ensure on-time completion of deliverables
- Project Demo: youtu.be/rP99sH69eB0 Repo: tinyurl.com/z5m9m7uv

Formula Factory | *React, NodeJS, ExpressJS, Material-UI, DynamoDB, AWS, Docker, Git* Jan 2023 – Apr 2023
- Created a full stack MERN application for editing math-based cheat sheets
- Project Demo: youtu.be/NnyJIa2vvnk Repo: tinyurl.com/5n88jptv

NEARvember Hackathon | *AssemblyScript, Rust, React, JavaScript, Git* Nov 2021
- Participated in 12-part hackathon hosted by NEAR protocol and completed 12 challenges over 2 weeks
- In the top 20 participants.

HTML5 Canvas JavaScript Game for JS13KGAMES | *JavaScript, HTML5, Git* Aug 2021 – Sept 2021
- Adapted entry to decentralized category using NEAR and Protocol Labs Drand
- Adapted open source AudioContext web API miniPiano app as a new tool and drop-in for in-game music
- Game: tinyurl.com/mrwunc8v Tool Repo: github.com/Vertfromage/miniPiano

Math Dungeons | *JavaScript, Phaser3* 2020
- Game: mathdungeons.com

Shiftkey Labs' Covid-19 Virtual Hackathon | *Python, Django* 2020
- Developed a Django web app in collaboration with team of four
- Demo: youtu.be/IAqi-IBnvIA

TECHNICAL SKILLS

Languages & Databases: JavaScript, Java, Python, C, SQL, HTML/CSS, PHP, MySQL, DynamoDB, MongoDB
Frameworks: React, Node.js, Flask, Django, Bootstrap, Material-UI, Phaser3
Developer Tools: Git, Docker, VS Code, IntelliJ, AWS
Natural Languages: English (Native Speaker), French (Intermediate)
Certificates: MITx 6.00.2x (2019), Harvard CS50x (2018), MITx 6.00.1x (2017)— profile.edx.org/u/vertfromage