

# Crystal Parker

Interested in Web Development and Cybersecurity Jobs

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## 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, MITx 6.00.1x, Harvard CS50x (profile.edx.org/u/vertfromage)

## EXPERIENCE

### Website Developer

Sep 2019 – Present

- Developed websites using Python frameworks Flask, Django, and CMS Mezzanine for 4 clients
- Provided technical support and tutoring to 2 senior clients
- Websites: donmewsphotography.ca, cos-dev.org, captainsinnalma.ca

### NearArcade Collaboration

Apr 2022 – Jan 2023

- Collaborated on HTML5 game with Curtis Robinson Senior Developer and LoMaking NFT Artist
- Coordinated collaboration, communication, and presented ideas and progress
- Contributed ~30% of JavaScript code and wrote the NEAR contract in Rust with tests
- Achieved best week 3575 plays, top 20 players over 100 plays each and top player played 458 times
- Website: neararcade.com/mrbrown/

### Art Course Blog WordPress

Apr 2016 – Jan 2019

- 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
- Facilitated conflict resolution to ensure on-time delivery
- Project Demo: [youtu.be/rP99sH69eB0](https://youtu.be/rP99sH69eB0) Repo: [tinyurl.com/z5m9m7uv](https://tinyurl.com/z5m9m7uv)

### Formula Factory | React, NodeJS, ExpressJS, Material-UI, DynamoDB, AWS, Docker, Git

Jan 2023 – Apr 2023

- Envisioned and developed a full stack MERN application for editing math-based cheat sheets
- Project Demo: [youtu.be/NnyJla2vvvk](https://youtu.be/NnyJla2vvvk) Repo: [tinyurl.com/5n88jptv](https://tinyurl.com/5n88jptv)

### NEARvember hackathon | AssemblyScript, Rust, React, JavaScript, Git

Nov 2021

- Participated in 12-part hackathon hosted by NEAR protocol, completing 12 challenges over 2 weeks
- Achieved 15th place out of 92 participants, many of whom were more experienced.

### 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](https://youtu.be/IAqi-IBnvIA)

### HTML5 Game Development | JavaScript, HTML5, Git

2019 – Present

- Designed and developed 2 polished games and 8 game jam games using HTML5
- Researched and incorporated decentralized technologies into 4 games
- Games Portfolio: [vertfromage.github.io/games/](https://vertfromage.github.io/games/)

## EDUCATION

### Dalhousie University | GPA: 3.65/4.30

Halifax, NS

Bachelor of Computer Science, Minor in Biology | Sexton Scholar, Dean's List

Jan 2021 – May 2024

Honours: Intersection of Mobile Gaming and Security, Skills: Research, Python and JavaScript scripting

Relevant Courses: Software Engineering, Cloud Computing, Advanced Web Services, Advanced Database Systems

### ICTC Cybersecurity Training and Work Integrated Learning program

Oct 2023 – May 2024