

# BENJAMIN CRITOPH

## Software Developer

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🌐 <https://bendabeast22.github.io/Portfolio/>

## Personal Projects

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### Multiplayer Chess Game | 2022

- Used React to create a responsive multiplayer chess game
- Used web sockets (Socket.io) to make the game multiplayer and to add a chat and video call functionality
- Hosted the website using render.com (<https://multiplayer-chess.onrender.com>)

### Campground Listing Website | 2020

- Created a responsive RESTful website to list details of user-added campgrounds with Node.js using the express framework, HTML, CSS and Bootstrap
- Used MongoDB and Mongoose to implement and manipulate a database to store campground and user info
- Deployed the final website using Heroku

## Technical Work Experience

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### Software Developer, Brock Solutions Inc | May 2022 - Sept 2022

- Worked with a team to update the airport baggage sortation system and Kahului Airport to the newest version
- Used SQL in SSMS to configure new databases for the updated sortation system
- Customized, tested and presented a portion of the factory acceptance plan for the updated system to the clients

### Junior Developer, Hatch Ltd | Sept 2021 - Dec 2021

- Worked in an Agile team using the scrum methodology to complete backlogs in the agreed amount of time
- Worked on various web apps using Angular and C#
- Implemented a static code analysis tool called Checkmarx to the QA pipelines in Azure DevOps

## Technical Skills

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**Languages:** Javascript, C, Python, Java, HTML, CSS

**Frameworks/Libraries:** React, Angular

**Development Tools:** Azure DevOps, GitHub

## Education

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### Bachelor of Computing, Comp Sci Co-op | 2019 - Present

University of Guelph

- 84 % GPA (Currently in 4th year)
- Area of Application in Philosophy

## Academic Projects

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### GPX File Viewer | 2021

- Created a website to view GPX data
- Used HTML, CSS and JavaScript to create the website frontend
- Used C to build a dynamic library for parsing GPX files
- Used JQuery and Ajax to communicate with Node.js (Express) backend

## Work Experience

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- Participated in technical activities with the team such as sprint planning, deploying applications, writing documentation and performing project demos

### ***Technical Skills***

*Languages:* C, Javascript, Java, Python, C#, HTML, CSS

*Version Control:* Git, GitHub, GitLab

*Development Tools:* Eclipse, Node.js, .Net framework, Processing, MongoDB, Mongoose, SQL, Swing

*Frameworks/Libraries:* React, Angular, Express, JQuery, Materials UI, Bootstrap, Semantic UI

### ***Academic Projects***

GPX File Viewer | 2021

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- Used C to build a dynamic library for parsing GPX files
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### ***Work Experience***

PPL Group Lifeguard | Summer 2019

- Responsible for lifeguarding and maintenance of various private pools

### ***Goals***

- Update and fix GPX parser website to make it actually a good project and figure out how to host it online
- Create a new project in place of the Campground Listing website from 2020
- Create a new resume