

# Jonathan Cornet

Full Stack Developer and Software Engineer

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## Education:

**University of Washington** (Seattle, WA): Full Stack Coding Bootcamp, September - December 2022

**Western Washington University** (Bellingham, WA): Bachelor of Science in Physics & Bachelor of Arts in Chinese Language, 2012-2017

## Experience:

**Software Engineer**, Conveyor Dynamic, Inc. (Bellingham, WA), March 2020 - Current

- Reduced the codebase by hundreds of lines and improved compile time by a factor of 10 by refactoring and optimizing FORTRAN code using modern standards and logic norms.
- Developed new software using FORTRAN and C# to improve and test company software.
- Improved runtime and made the codebase easier to understand, facilitating further development and maintenance.
- Made significant improvements to out data formatting, resulting in a more intuitive and user-friendly experience.

## Technical Skills:

**Front-End:** HTML, CSS, SASS, JavaScript (ES5/6)

**Back-End:** SQL, MySQL, PostgreSQL, GraphQL, MongoDB, Sequelize, JSON

**Programming Languages:** Python, JavaScript, FORTRAN, C, C#, C++, Java, Kotlin, Rust

**Frameworks/Libraries:** Node.js, Express, Mongoose, React, Next.js, NPM, Tailwind, Bootstrap, jQuery, AJAX, Firebase, AWS

**Tools:** Unity, Adobe XD, Figma, Aseprite

**Methodologies:** Agile, MVC, OOP, REST API, PWA

**Testing:** Jest

**Full Stack:** MERN stack, NERD stack

## Selected Projects:

**Gridlocke** - <https://gridlocke.net/>

Collaborated with a team to develop a real-time multiplayer card game using a full-stack NERD (Node JS, Express JS, React, and Database - MySQL) application. The project showcases my proficiency in creating and maintaining a backend API for data storage and utilizing a React frontend for gameplay. Continuously updating and improving the game to enhance user experience.

**Housing Marketplace** - <https://react-housing-market-app.vercel.app/>

Developed a mock housing rental/purchase marketplace application that allows users to create and log into an account, upload and browse rental/purchase listings, and edit existing listings. Employed a full stack application utilizing React and Firebase, showcasing my ability to create responsive and dynamic user interfaces.

**MERN Stack Support Desk** - <https://cornetsupportdesk.herokuapp.com/>

Designed and developed a fully functional ticket support application using the MERN stack (MongoDB, Express JS, React, and Node JS). Created user authentication, ticket creation and tracking functionalities, and persistent data storage using a backend database. The project showcases my proficient in full stack development and creating intuitive user experiences.

## Portfolio:

Please visit my portfolio page at <https://www.jonathancornet.com/> to view my complete portfolio and explore my projects in more detail.

## Awards:

**Best Functionality**

UW Bootcamp

Final Project (Gridlocke)

## Foreign Languages:

**English** - Native Speaker

**French** - Fluent

**Chinese** - Classroom Study

**Spanish** - Limited

## Interests:

Travel | Music | Video Games

Billiards | Hiking | Live Shows

Soccer | Football | Basketball

Adventures | Socializing

## References:

Available on request.