CHRISTOPHER P. MACNAMARA

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FULLSTACK DEVELOPER

Fullstack developer with experience creating engaging applications using JavaScript and Node.js. Previous experience teaching Computer Science and Spanish and managing classrooms of 25+ students. Passionate about diverse perspectives and creative expression.

TECHNICAL & INTERPERSONAL SKILLS

Languages: JavaScript, Typescript, HTML, CSS, Python, SQL, EJS, Java
Libraries and Frameworks: ReactJS, Node.js, Express.js, Bootstrap, Material UI, Sequelize
Databases and other: PostgreSQL, MongoDB/Mongoose, RESTful Routing, MVC Architecture, JSON
Interpersonal skills: Optimistic and transparent communication, active listening, focus on team over self, advocate for growth mindset

TECHNICAL PROJECTS

SurveyBrain - [GitHub](#) | [App](#) - TypeScript | React | Node.js | Express.js | PostgreSQL | Sequelize | JWT   *05/2023*
A survey creation app that offers results analysis powered by Natural Language Processing (NLP) tools such as sentiment analysis and topic tagging
- Implemented full CRUD functionality to enable users to create, view, update, and delete custom surveys
- Integrated a PostgreSQL database using supabase to store all user surveys and responses to survey questions
- Provided users with sentiment analysis of survey responses utilizing Twinword Text Analysis API

NewsLingo - [GitHub](#) | [App](#) - React | JavaScript | Node.js | Express.js | MongoDB | CSS | JWT   *05/2023*
A language-learning app that provides daily news articles, word-to-word translations, and a personal dictionary
- Designed back end to pull updated articles from NewsData API every 16 hours and store in MongoDB
- Parsed article content to allow users to receive word-to-word translations by clicking on any word and calling Merriam Webster API
- Enhanced functionality of app by providing a personal dictionary of users' saved words designed as digital flashcards
- Managed group of three developers and handled all pull requests and merge conflicts

Bug Reflector - [GitHub](#) | [App](#) - JavaScript | Node.js | Express.js | MongoDB | EJS | CSS   *05/2023*
A website for developers to reflect upon and share their skill growth through the lens of bug fixes
- Built front and backend using MVC architecture and RESTful routing conventions
- Integrated Express, MongoDB, and Node.js on backend for handling all create, read, update, delete (CRUD) operations
- Designed frontend with a mobile-first approach and styled with flexbox layouts
- Ensured secure login using Google OAuth

Nordle - [GitHub](#) | [App](#) - JavaScript | HTML | CSS | Git   *04/2023*
A Norse-themed Wordle-style game that challenges users to guess 10+ consecutive words and stores progress locally
- Built a frontend browser-based single-page game that facilitates intuitive play
- Implemented game reset functionality that does not require browser refresh
- Saved user progress across browser sessions by utilizing localStorage property

EXPERIENCE

Boston Collegiate Charter School, AP Computer Science and Spanish Teacher   *Boston, MA, 08/2017 - 06/2022*
- Developed and taught the first advanced AP Computer Science A program at Boston Collegiate using data-driven methodologies to inform and adapt teaching strategies resulting in exceptional student performance
- Designed lessons that promoted independent student discovery and collaboration in the acquisition of foundational skills in Java and Python in order to solve practical real-world problems resulting in a 100% pass rate for the course

Boston Collegiate Charter School, Robotics Coach   *Boston, MA, 08/2019 - 06/2022*
- Organized and facilitated robotics club that competed in annual First Tech Challenge events designed to inspire young people to be science and technology leaders and innovators and foster well-rounded life capabilities including self-confidence and gracious professionalism

- Implemented and guided students to implement autonomous and driver-controlled robot operation modes using the FTC SDK in OnBot Java to participate in FTC competitions resulting in fully functional robots that successfully participated in each competition

Ithaca College Information Technology Services, Desktop Services Technician *Ithaca, NY, 01/2011 - 05/2013*
- Updated and maintained campus desktops and desktop images following a cyclical renewal procedure in order to ensure high performing computers for students and staff
- Responded to service requests via ticketing system to troubleshoot users' software/hardware issues on campus, resolving 95% of issues on site

EDUCATION

General Assembly *Remote, Certificate Expected: 06/2023*

Full-stack software engineering 420+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies.

Ithaca College, Master of Arts in Teaching (MAT), Adolescent Education *Ithaca, NY, Graduated: 04/2015*

Ithaca College, Bachelor of Arts (BA), Computer Science, Spanish *Ithaca, NY, Graduated: 05/2013*