

Robert McCreary Mannino

Junior Full Stack Software Developer

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Full stack software developer and coding bootcamp graduate specializing in JavaScript, React, and Express; as well as Python, Flask, FastAPI and Scikit-Learn. Experienced classroom teacher. Excellent written communication skills with a mathematics background. Seeking a frontend or full stack developer position.

TECHNICAL SKILLS

Languages: JavaScript, Python, Ruby, HTML, CSS, Java

Skills and Tools: React, Redux, Jest, REST, PostgreSQL, MongoDB, SQL, Git, Express.js, Node.js, WebSockets, ServiceWorkers, AWS DynamoDB, AWS Lambda, AWS API Gateway, AWS S3, Socket.io, Vue, jQuery, Mock Service Workers, Auth0, Linux, NumPy, Scikit-learn, Pandas, OpenCV,

PROJECTS

The following are projects that I have built and used as teaching aids in my classroom.

Drama Echo, Aug 2022 - github.com/rmccrear/drama-echo

- Helps teachers create engaging video-based pronunciation activities.
- Built with MongoDB, Express.js, React, and Node.js. Uses Auth0, Cloudinary services, and styled with Bootstrap.

OpenCV Quiz Grader Aug 2019 - github.com/rmccrear/opencv-quizgrader

- Grades handwritten quizzes with OCR (only accepts multiple-choice A-D)
- Built with Python Flask, OpenCV, and Scikit-Learn.

Prefix-free Pipes, Dec 2015 - bit.ly/decode-this-message

- Offers a social introduction to Hoffman encodings. It allows you to build and revise a digital code, encode a message, and send it to a friend.
- Built in vanilla JavaScript with jQuery, RxJS, and CSS with retro-game styling.

EDUCATION

Code Fellows - Seattle, WA, 2022

Certificate - Advanced Software Development in Full-Stack JavaScript

University of Washington Extension, 2014

Certificate - Ruby on Rails Programming

Southern Illinois University at Carbondale, 2005

M.A. Applied Linguistics

University of Illinois - Urbana-Champaign, 2002

B.S. Mathematics

EXPERIENCE

Fooyin University, Taiwan, Lecturer, Jun 2008 – Aug 2022

- Developed and taught English language curriculum at the university level.
- Taught 400 students each semester in both large and small class formats.

The Natl. Ctr. for Supercomputing Applications, U. of Illinois, Developer, 2000–2001

- Worked on a team to implement a CMS using Java and PL/SQL.
- Innovated internal tools to improve developer productivity.