

Michael Dunn-O'Connor

Software Engineer, EdTech

Languages

- Python
- JavaScript
- SQL
- Java
- Swift

Libraries / Tools

- React.js
- Django
- MongoDB
- JavaScript Fetch API
- Axios
- Game Maker Studio

Skills

- Agile development
- Curriculum design
- Standards-alignment
- Differentiation
- Project-based learning

I design software that drives student engagement and expands educational opportunities.

(508) 847-6838

Malden, Massachusetts

Email: michael.dunn.oconnor@gmail.com

Portfolio: dunnoconnor.github.io

Linkedin: <https://www.linkedin.com/in/michael-dunn-o-connor/>

Software Projects

Data Collective: Citizen Science platform for accessible data entry and visualization. Built with React.js, Python, and Django REST Framework.

Feedback Loop: Social platform for developers looking to connect with peers. Built with MongoDB, Express, React.js, and Node.js.

Area Model Farm: Interactive math tool for visualizing the area model method of multiplication.

<nav-cs>: A tool for students to compare computer science degree programs and find the one that is right for them. Uses data from College Scorecard API.

Experience

General Assembly / Software Engineering Immersive

July 2021 - October 2021

Designed full-stack web applications independently and as part of a design team. Led scrum team and

Lawrence High School / Computer Science Teacher

2017 - 2021, Lawrence MA

Designed and implemented Computer Science and Web Development curriculum with an emphasis on project-based learning and authentic performance tasks.

Upperline Code / Instructor

Summer 2018 & Summer 2019, New York NY

Led App Design and Web Development Courses for high school students with a focus on iterative design and rapid product deployment.

Teach For America / Corps Member Advisor

Summer 2017, Lawrence MA

Coached first-year teachers in lesson planning, instruction, and assessment. Provided targeted feedback on instructional materials and practices.

Education

Boston University / Master of Education - Curriculum and Teaching

December 2017, Boston MA

UMass Amherst / Bachelor of Arts - Social Thought and Political Economy

December 2011, Amherst MA