Charlie Moore
Software Engineer

</> Work Experience

Software Engineer III
Mar 2022–May 2022 • Cambridge, MA

Charles River Analytics - UX Innovations Division

> Led migration of healthcare web application from Backbone.js to Angular

> Implemented + maintained CI/CD pipelines to support automated unit testing, code linting, and builds for web applications and JavaScript SDKs

> Supported best practices on projects including unit testing, version control, CI/CD, documentation, and productive code reviews

> Worked in distributed, interdisciplinary teams of engineers, scientists, designers, subject matter experts, and project managers on R&D HMI projects

Software Engineer II
Mar 2020–Feb 2022 • Cambridge, MA

Charles River Analytics - Human-Centered Intelligent Systems Division

> Designed + developed web applications on multiple projects for performing complex, data-heavy tasks (e.g., preventative maintenance, supply chain analysis, healthcare, scientific research workflows)

> Developed a web application with a custom user interface that integrated with an in-house NLP toolkit to enable researchers to perform their work more than 10x faster

> Contributed to reusable tools including internal Angular data visualization and layout component libraries used on 12+ projects

> Designed + developed a web application prototype to enable logistics personnel to understand pharmaceutical supply chain data including chemical composition of drugs, trade data, and probabilistic factors

> Diagnosed + fixed performance issues reducing loading time from minutes to less than 1 second on a Django/Angular application

> Managed work across multiple projects with competing deadlines in a variety of roles including software development, UI design, requirements analysis, writing customer deliverables, domain research, user testing, project management

Software Engineer I
Oct 2018–Mar 2020 • Cambridge, MA

Charles River Analytics - Human Effectiveness Division

> Designed + developed web dashboards of custom data visualizations for multiple projects, including maritime maintenance, mission planning, + software application usage monitoring analytics

> Contributed to written customer deliverables, briefings, + SBIR proposals

🎓 Education

B.S. in Computer Science + Engineering
2012–2017 • Cambridge, MA

Massachusetts Institute of Technology

> Focus in software engineering, user interface design, + media studies

> Double majored with Comparative Media Studies

> Served as a TA for 6.009 Fundamentals of Programming, teaching programming concepts + best practices to 300+ MIT students

Contact

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💻 website

 charliejmoore

 charliemj

Skills

Software
Ⓐ Angular
TS TypeScript
JS JavaScript
HTML
Sass CSS/SCSS
Node.js
Git
Data Visualization
UI/UX
Unit Testing
∞ CI/CD

Communication
Working in Distributed Teams
Technical + Non-Technical Audiences
Writing + Editing