

Derek Roberts

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(1)-518-795-0461 <https://robertsderek.github.io/resume>
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Education

BOSTON UNIVERSITY

BA IN COMPUTER SCIENCE

May 2024 Boston, MA

- 3.65 GPA
- Dean's List x4

CHATHAM HIGH SCHOOL

DIPLOMA

June 2020 Chatham, NY

- Distinguished with High Honors & Honors in Science
- National Honor Society

Links

GitHub **robertsderek**
in LinkedIn **Derek Roberts**

Coursework

UNDERGRADUATE

- Combinatoric Structures
- Data Structures & Object-Oriented Programming
- Computer Systems
- Intro to Algorithms
- Probability in Computing
- Software Engineering
- Intro to Databases

Skills

FRONT-END

Angular • HTML5 • CSS • Javascript
• ReactJS

BACK-END

Python • C# • Java • OCaml • SQL

MISCELLANEOUS

VSCode • Spyder • CLion •
Microsoft Office • \LaTeX • Git • SSMS •
Entity Framework

Portfolio

MY PORTFOLIO WEBSITE

robertsderek.github.io/resume

Professional Experience

ASSOCIATE FULL-STACK SOFTWARE ENGINEER

JOHN HANCOCK

June 2024 - Present

Boston, MA

- Conducted in-depth analysis and debugging of existing system components to enhance performance and reliability.
- Collaborated with the product owner to meet deadlines for the development and delivery of new application features.
- Worked within an agile team environment to deliver high-quality, maintainable code, following user stories in Jira.

SOFTWARE PROJECT MANAGEMENT INTERN

BU SPARK!

September 2023 - May 2024

Boston, MA

- Oversaw a portfolio of projects, proactively managing partners to ensure client satisfaction with the student software engineer team's work
- Led the team to achieve 'Best Project' accolades in both semesters, with our 'Computerized Mapping of Visual Fields' project being presented by the client at the Neuroscience of the Everyday World Conference 2024.
- Received Spark's 'Firestarter' award for outstanding contributions to the organization.

Projects

MODIFIED COINSURANCE REPORTING APPLICATION

- Implemented significant database enhancements to improve efficiency, security, and maintainability, ensuring robust data management.
- Wrote code to manage document and API data imports, transforming and aggregating data in SQL for streamlined reporting.
- Generated comprehensive reports in Power BI, providing valuable insights and visualizations to stakeholders.

WIT MATCHING ALGORITHM

- Developed an algorithm for the Manulife "Women in Tech" mentorship program, leveraging factors such as pay grade, work location, mentor skills, architectural familiarity, and mentee preferences to create optimal mentor-mentee matches.

Clubs & Competitions

UPSILON PI EPSILON

Sep 2022 - May 2024

Boston, MA

- Member of the Boston University chapter of Upsilon Pi Epsilon. UPE is the international honor society for the computing and information disciplines.

HACKHARVARD 2022

Oct 2022

Cambridge, MA

- I worked on a solo project at this hackathon. I primarily used Python, pygames, and GitHub to create an AI Connect Four game. In addition to being able to play with a friend, there was an AI with 3 difficulty settings.