

JOHN PHILIP

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EDUCATION

Northeastern University | Boston, MA
Expected Graduation: May 2020

Candidate for a Bachelor of Science in
Computer Science and Mathematics

Related Coursework: Graduate Human
Computer Interaction, Advanced Linear
Algebra, Object - Oriented Design,
Calculus III, Graduate Algorithms and
Data

Activities: Executive Board Member of
NU Association for Computing
Machinery, Khoury College Peer Mentor

Honors: Honors Program, Presidential
Global Scholar, Dean's Scholarship

GPA: 3.6 / 4.0

COMPUTER KNOWLEDGE

Languages

Proficient: Python, Java, SQL

Familiar: PHP, JavaScript (JSX), C#, R

Software

React.js, Node.js, Express, React
Native, GraphQL, TensorFlow, NumPy,
Unity, Alexa Skill Builder, LaTeX

Tools

Git, Linux, JetBrains Suite, Firebase,
Microsoft SQL Server/Workbench,
Android Studio, Xcode, Jupyter,
Postman, MacOS

INTERESTS

Mozzarella sticks, social good,
cooking, teaching, machine learning,
bubble tea, music.

WORK EXPERIENCE

Wayfair, Fullstack Finance Engineering Co-op
Boston, MA | January - April 2019

Integrated multiple data streams using GraphQL, PHP, SQL, and
React.js to aid in the development of Wayfair's financial invoicing
API, helping create over \$10.2 million in revenue for Wayfair.

Designed and implemented a full stack web application to
dynamically update stock product dimensions, utilizing React.js,
PHP and SQL.

Khoury College of Computer and Information Sciences,
Teaching Assistant for Object-Oriented Design / Programming with Data
Boston, MA | September 2017 - December 2018

Tutored concepts such as design patterns, scalability, and other
core principles of object-oriented design to over 350 students.

Taught interdisciplinary practica that focused on programming
basics, emphasizing ethical aspects of computer science, such as
algorithmic bias, user data protection, digital ownership, etc.

WHOOOP, Data Analytics Co-op

Boston, MA | January - April 2018

Performed research for determining potential changes to WHOOOP's
calorie algorithm using Python and data visualization techniques.

Created notification system in Python using time-series heart and
accelerometer metrics for users wearing the product incorrectly.

Automated data report delivery to elite clients using Python and
SQL, significantly reducing business development workload.

PROJECTS

Petcetera, MySQL, Node.js, Express, JavaScript, React.js
September - December 2018

Created a website dedicated to helping pet owners find appropriate
pet sitters for high maintenance or exotic pets.

Denoising Autoencoder, Python, TensorFlow
August 2018

Implemented a neural network that removes random noise from
handwritten digits and reconstructs them.