JOHN PHILIP

philip.j@husky.neu.edu
github.com/johnphilip283
johnphilip283.github.io/website
linkedin.com/in/john-philip/
(914) 826-5190

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: 3.58 / 4.0

COMPUTER KNOWLEDGE

Languages

Proficient: Java, Python, 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, teaching, machine learning, bubble tea, music, non-fiction

WORK EXPERIENCE

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

Integrated multiple data streams to aid in the development of Wayfair's financial invoicing API, using GraphQL, PHP and T-SQL.

Designed and implemented a full stack web application utilizing React.js and PHP for dynamic product dimension updates.

Maintain and enhance SQL processors responsible for charging Wayfair's inventory suppliers, using PHP and T-SQL.

FX Digital, Ltd., *Research and Development Intern*
London, UK | July - August 2018

Created audio visualization application in Unity using statistical techniques, C# and Visual Studio.

Developed Alexa skills utilizing PHP libraries for voice-based interaction models based on client specifications.

Integrated Discovery channel web viewer application for use in TV using Java and the Android TV SDK.

WHOOP, *Data Analytics Co-op*
Boston, MA | January - April 2018

Performed research for determining potential changes to WHOOP'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.