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: Object-Oriented Design, Calculus III, Graduate Algorithms, Advanced Linear Algebra, Database Design, Graduate Human - Computer Interaction

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

GPA: 3.58 / 4.0

COMPUTER KNOWLEDGE

Languages

Proficient: Java, Python, SQL
Familiar: JavaScript (JSX), R, PHP, C#

Software

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

Tools

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

INTERESTS

Mozzarella sticks, machine learning, bubble tea, music, cooking, non-fiction

WORK EXPERIENCE

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

Created audio visualization application in Unity using signal processing 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 Intern*
Boston, MA | January - April 2018

Performed research for determining potential changes to the calorie calculation algorithm using Jupyter notebooks and data visualization techniques.

Developed notification system in Python for users who were wearing their WHOOP strap incorrectly based on time-series heart rate and accelerometer metrics.

Automated delivery of data reports to elite clients, significantly reducing business development workload.

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

Tutored concepts such as design patterns, scalability, and other core principles of object-oriented programming.

Facilitate interdisciplinary practica that focus on programming basics, as well as the social aspects of computer science, such as ethics of computer science, systemic bias in algorithms, etc.

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.