

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: Database
Design, 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, CCIS Peer Mentor, NU
Hacks Member

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, Colaboratory,
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 retrieved using PostgreSQL.

Automated delivery of data reports to elite clients using Python,
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.