JOHN PHILIP

philip.j@husky.neu.edu
github.com/johnphilip283
(914) 826-5190
Available: Jan. - Jun. 2019

EDUCATION

Northeastern University
Expected Graduation 2020 | Boston, MA

Candidate for a Bachelor of Science in Computer Science and Mathematics

Related Courses: Object-Oriented Design, Linear Algebra, Algorithms, Calculus III, Database Design

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

GPA: 3.54 / 4.0

COMPUTER KNOWLEDGE

Languages

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

Software
React Native, TensorFlow, NumPy, Unity, Alexa Skill Builder, LaTeX

Tools
Git, Linux, JetBrains Suite, Firebase, Android Studio, Xcode, Jupyter, MacOS

INTERESTS

Mozzarella sticks, neural networks, music, bubble tea, Netflix

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 application for use in TV using Java and the Android TV SDK.

WHOOP Inc., *Data Analytics Intern*
Boston, MA | January - June 2018

Performed research for determining potential changes to calorie calculation algorithm using Jupyter notebooks.

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 - June 2018

Tutor 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 and human aspects of computer science, such as ethics of computer science, systemic bias in algorithms, etc.

PROJECTS

PawPrints, *Javascript*
Fall 2018 - present
A React Native application using Firebase as the backend to aid in scavenger hunt route optimization.

Denoising Autoencoder, *Python*
Summer 2018
Implemented a neural network in TensorFlow that removes random noise from images.