Christopher Nivera

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Education

Brown University *(Providence, RI, Expected Graduation May 2021)*

A.B. in Computer Science expected May 2021. GPA: 3.86/4.0
Relevant Courses: Algorithms and Data Structures, Software Engineering, User Interfaces & User Experiences, Machine Learning (current), Computer Systems, Statistical Inference, Linear Algebra

Phillips Exeter Academy *(Exeter, NH, 2013-2017)*

High School Diploma, National Merit Commended Scholar, Highest Academic Honors, June 2018; GPA: 10.06/11

Work Experience

Brown University, *Teaching Assistant (Sept 2019 - Dec 2019)*
- Undergraduate TA for CSCI1300 (User Interfaces and User Experience)
- Worked with 12 other teaching assistants and Prof. Jeff Huang (HCI Research Group Faculty Leader) to oversee a class of 270 students
- Overhauled and led labs intended to familiarize students with design software and HTML/CSS
- Redesigned A/B Testing and Iterative Design projects, giving students the opportunity to work through statistical analysis of data, eye tracking, user testing, and the full UI/UX design process
- Held weekly office hours to mentor students and assist them in understanding new concepts

Projects

Stopwatch (Brown University, Summer 2019)
- Created a voice-controlled Discord bot used to help players track usage of spells in the game "League of Legends", allowing for a more simplified player experience
- Developed the bot's voice recognition and analysis capability with Google's Dialogflow API.
- Integrated game and player data from the Riot Games API, recognizing over 140 characters
- Programmed the bot using Java and JavaScript

TroponinCalc *(Summer 2019)*
- Designed and coded an app used to assist physicians in the diagnosis of cardiac injury
- Implemented newly-developed algorithms that evaluate heart infarction based on protein levels obtained in laboratory settings. Coded using React Native
- Coordinated with physicians at Monmouth Medical Center to review algorithms and work towards implementation in hospitals and clinical studies

Flex Calendar (Spring 2019)
- Engineered SQL database structures to store user data for a calendar that automatically optimizes tasks and presents the user with times to complete them
- Maintained extensibility and readiness for change by developing handler functions for backend
- Collaborated with three other Brown University students over a two-month period, starting from initial idea brainstorming to final product development

Skills and Interests

- *Coding*: Java, HTML, CSS, JavaScript, Scala, React Native, ReactJS
- *Software*: Adobe XD, Figma, Balsamiq, InVision
- *Interests:* Medicine (currently preparing for the MCAT!), creating music, video games, cooking