HENRY VUONG

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EDUCATION

The University of Texas at Austin	Bachelor of Science, Management Information Systems	May 2020
	Minor: Computer Science	
	Overall GPA: 3.77	

Coursework: Algorithms & Data Structures, Statistics & Probability, Data Analytics, Databases, IT Security, Web Dev
Skills: Swift, Python, C#, Java, Javascript, HTML, CSS, Azure, SQL, Git

WORK EXPERIENCE

Amazon – *Software Development Engineer Intern;* Seattle, WA   Summer 2020

Disney Direct-to-Consumer International – *Software Engineer Intern/Co-op;* Bristol, CT   Fall 2019
- Create telemetry features for the ESPN Watch iOS SDK that log key application monitoring metrics to improve performance
- Develop New Relic API Client to track various interactions like GraphQL failures, video playback, and authentication
- Implement feature flagging for logging application metrics and device targeting and update app configurations
- Fix stream concurrency monitoring to reset kickout count in the SDK
- Update SDK sample app to properly handle authentication and stream limiting
- Refactor Disney's Nebula-Concurrency-Monitoring library from solely RxSwift to a base library with multiple interfaces
- Integrate the Nebula library to ESPNWatch SDK to now use server-side concurrency management
- Utilize Git for feature branching, merging, and submitting pull requests to be reviewed by senior software engineers

BP (British Petroleum) – *Software Developer Intern;* Houston, TX   Summer 2019
- Developed and deployed a bot service to answer FAQ on Azure using Bot Service, ARM, C#, CosmosDB, and QnA services
- Wrote ARM infrastructure as code templates to Azure to ensure consistency during resource creation
- Used Bot Framework C# SDK to develop conversation dialogs that answer user's questions using QnA cognitive services
- Implemented conversation state logging that saves user conversations to CosmosDB for knowledge base improvement
- Created CI/CD pipeline in Azure DevOps using Python that reduced manual deployment steps from 10 to 0
- Deployed bot to SharePoint site, saving time for users and admins by resolving easy to answer queries

PROJECTS

Stockchain – *Ethereum Blockchain App (Solidity, Javascript, HTML, CSS)*   Feb 2020
- Created smart contract to facilitate approval of IPOs for investment banks and stock exchanges using the Truffle framework
- Developed a fully functioning front-end that directly interacts with the Stockchain blockchain

MovieLemma – *Spring Boot Web Service and iOS App (Java, Swift)*   Sept 2019
- Developed a RESTful web service recommendation system for movies in Spring Boot, Heroku, and Firebase Cloud Firestore
- Designed algorithm that uses cosine similarities between users to predict ratings by using the Euclidian dot product formula
- Created an iOS app that uses the API and created features such as login, trailer viewing, and rating submissions

ValetStorage – *iOS App and Consulting Project (Swift)*   Feb 2019 – May 2019
- Created iOS app to handle ValetStorage's API responses and store authentication tokens to iOS Keychain

ThisIsAmerica – *Sentiment Analysis (Python)*   Mar 2018 – May 2018
- Developed a natural language classifier using scikit-learn and NLTK libraries to correlate Twitter sentiment to gun violence

LEADERSHIP EXPERIENCE

CodePath – *Teaching Lead (January 2019 – May 2019)*   February 2018 – May 2019
- Present weekly iOS topics to a class of 38 students and collaborate with other TAs to create an immersive learning course

ADDITIONAL INFORMATION

Certificates: CompTIA Security+
Interests: NFL Advanced Metrics, Education Equality, Breakfast Recipes, Cooking, Basketball