GEOFFRY **SHEEHAN**

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SKILLS

- C \ C++
- Python
- JavaScript

- HTML5 \ CSS3
- Node.js \ Express.js
- MongoDB \ PostgreSQL

EXPERIENCE

02/2021 – CURRENT
SOFTWARE ENGINEER, NANAVATI CONSULTING

10/2017 – 02/2021
APPLICATION DEVELOPER, SportsMEDIA TECHNOLOGY

- Implemented initial software solutions for Boston Athletic Association resulting in a 5-year contract servicing the Boston Marathon.
- Self-taught python and contributed to 5+ client and company products with python requirements.
- Developed schemas for proprietary database systems which were implemented into the NHL scoring systems.
- Created a custom priority queue to display custom cheer messages to thousands of marathoners during the 2019 San Francisco Marathon.
- Spearheaded development of a new application to centralize hockey statistic calculations within the hockey ecosystem.
- Improved algorithm to calculate hockey Power Play Opportunity statistics by client specification; reduced time complexity from $O(n^2)$ to $O(n)$.
- Collaborated with the hockey development team to update the hockey ecosystem to a new platform as part of a $25 million project for the NHL including converting from VCL to Qt.
- Trained on site staff in the operation of applications to maintain a seamless production of 4 live events.
- Facilitated application support for production software during live events resulting in turnaround within 24 hours.
- Incorporated a full software development lifecycle in both individual and team settings.

EDUCATION

08/2013 – 12/2016
BACHELOR OF SCIENCE COMPUTER SCIENCE, CLEMSON UNIVERSITY