JOSHUA R. SURETTE

surettej@bu.edu • (603)321-4885 • http://joshsurette.com

EDUCATION

Boston University College of Engineering, Boston, MA May 2018
Bachelor of Science in Computer Engineering
Cumulative GPA: 3.70/4.00
Semester Abroad in Madrid: Spring 2016

TECHNICAL SKILLS

Programming Languages: Python, C/C++, Java, SQL, Scala, Spark, Javascript, HTML/CSS, React.js, Node.js
Software / Hardware: Github, Anaconda, SequelPro, Hadoop, IntelliJ, Maven, Vim, Filezilla, Brackets, Android Studio
Languages: Working Proficiency in Spanish

RELATED EXPERIENCE

OpenMRS/Partners in Health, Boston, MA August 2017 — Present
Software Developer
- Active developer in OpenMRS, a tool used in developing countries for medical record systems
- Provide support for Java and assure code quality

Optum, Boston, MA June 2017 — August 2017
Data Engineering Intern
- Standardized patient EMR data into one universal format for business to business sale
- Translated ETL SQL code to modern big data tools such as Spark, Scala and Hadoop to allow for scalability

Boston University BME Department, Boston, MA September 2016 — May 2017
Bioinformatics Research Intern
- Incorporated C on PIPER, a protein-protein interaction software used in industrial drug development
- Utilized test-driven development strategies on PIPER's computational engine code and wrote documentation for tested libraries in SPHINX

Massachusetts General Hospital, Boston, MA June 2016 — September 2016
Research Intern
- Converted massive raw metabolite data from transplanted liver cells into a graphical metabolism representation to localize changes in the cells when subject to transplant, using Python
- Created cell cultures and gathered data using Liquid Chromatography/Mass Spectrometry

ENGINEERING PROJECTS

MIT Hacking Medicine Finalist; Third World ECG May 2017 — Present
- Leading technical development with a team of doctors, engineers and programmers to design a smartphone-integrated ECG
- Implementing a machine learning algorithm for time series classification to diagnose ECG readings using Python

Converse Product Launch March 2017 — May 2017
- Analyzed Social Media using Python to assist Converse on finding spokespeople for their first product launch
- Designed algorithm to build information propagation networks which relied on finding users with high clout followers

ClubConnect September 2016 — December 2016
- Lead backend development of ClubConnect, an Android app which served as a social media platform for BU student organizations
- Coded backend using Java and Firebase and integrated design with the front end team

LEADERSHIP AND AFFILIATIONS

Entrepreneurship Club; Vice President September 2014 — Present
InnovateEDU; Co-Founder/Director August 2016 — Present
College App Assist; Mentor January 2017 — Present
BU Club Baseball Team; Second Basemen September 2014 — Present
MakeBU; Member August 2016 — Present