Matthew DiLoreto
Available July 2020

886 Huntington Ave. Apt. 3
Boston, MA 02115

mjdiloreto@gmail.com
mjdiloreto.github.io
(508) 873-0948

Northeastern University – Boston, MA *Sep. 2016 – May 2020*
Khoury College of Computer and Information Science
Bachelor of Science in Computer Science *Summa Cum Laude*
Honors: GPA 3.9/4.0, Dean's List, Dean's Scholarship
Clubs: Northeastern Virtual Reality Club (e-board officer), Wireless Club (project leader)

Courses:	***(Graduate)****:* Large Scale Parallel Data Processing, Algorithms, Software Development
	(Undergraduate): Web Development, Artificial Intelligence, Programming Languages, Database Design, Object-Oriented Design, Theory of Computation, Computer Graphics, Networks and Distributed Systems, Robotics
	(Teaching Assistant): Theory of Computation

TECHNICAL KNOWLEDGE

Languages:	JavaScript/NodeJS, Python, Scala, Java, Clojure, bash, HTML, CSS, SQL
Libraries/Frameworks:	React/Redux, Spring(boot)*,* Hadoop, Apache Spark
Other:	Scrum/Agile, Git, SVN, Unix, AWS, Apache Tomcat, Maven, NoSQL

WORK EXPERIENCE

Harvard Catalyst – Boston, MA *Jul 2019 - Jan. 2020*
Full Stack Software Engineering Co-op
- Extended and maintained a Scala backend for SHRINE, a message-oriented distributed medical data query system to help researchers identify potential clinical trial participants
- Implemented architectural changes deployed on the ACT network, a national SHRINE network of over 60 hospitals; worked with Network Solutions Engineers to analyze and address operational concerns in support of these changes
- Collaborated closely with Business Analyst and QA Engineer, project management, and technical leadership on an Agile team
- Prototyped and refined responsive UI/UX components such as a medical concept tree supporting over 2 million nodes using React and Redux
- Integrated system-wide custom logging configurations with Log4j and Logback; simplified complex application startup interaction with Apache Tomcat by developing task scheduling abstraction
- Took ownership of complex Git workflow and merges between two development teams

PowerAdvocate – Boston, MA *Jul 2018 - Jan. 2019*
Software Developer Co-op
- Designed 12 unique data visualization interfaces for a supply chain spend management platform using React and Spring
- Adhered to scrum and used pair programming to work in a high-performing, self-organizing team to achieve continuous delivery
- Developed integration tests using Selenium Web Driver and Puppeteer

UMass Medical School – Worcester, MA *Summer 2015 - 2017*
Research Intern
- Piloted development of an open-source general purpose data analysis program using Python
- Built and purchased components for an instrument to observe and analyze folding kinetics of proteins in an efficient and inexpensive manner (< $30,000)

INTERESTS blogging cooking hiking virtual reality electronic music synthesis chess Muay Thai