

Monil Jhaveri
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Education

Boston University *May 2017*

- *M. S. in Electrical Engineering*

Franklin and Marshall College *May 2013*

- *B. A. in Biochemistry and Molecular Biology*

Professional Experience

Clear Secure

September 2022 - Present

Software Engineer II

- *Responsible Clear's airport camera technology stack*
- *Designed and created C++ library to interface with the new camera and python service layer*
- *Product that heavily used the C++ library won a 2025 Red Dot award*

Amazon

September 2019 - June 2022

Software Engineer I

- *Member of the Wakeword Detection team in the Alexa organization*
- *Responsible for a C++ device side IOT ML model download client, which runs on over 10 million devices*
- *Integrated a memory efficient C++ metadata serializer to enable better data collection for ML researchers*
- *Planned and implemented model automation which reduced operational workload*
- *Modified alexa's java client to work with multiple wake words on over 1 million devices*

ThermoFischer Scientific

March 2018 - August 2019

Embedded Systems Software Engineer II

- *Develop new products for environmental monitoring*
- *Developed and deployed continuous integration for embedded products*
- *Spearheaded and managed transition from svn to git*
- *Develop applications in C and C++*

Tata Consultancy Services

September 2017 - March 2018

Software Engineer

- *Web applications and java servlets*

Nextdroid Systems

September 2016 - August 2017

Engineering Intern

- *Developed device simulator for self driving car applications*
- *Data analysis of labeled images using python and the scikit-learn library*
- *Camera API and OpenCV unification*
- *Designed unit tests for sensor package*
- *Created and deployed continuous integration server using Jenkins*

MIT Lincoln Labs

June 2016 - August 2016

Student Technical Assistant

- *Designed electrical systems for the Facility Services Department using Auto Cad*

Ericsson *September 2015 - January 2016*

Release Engineering Intern

- *Wrote build automation scripts to enable easy deployment of products*
- *Designed a python yaml editor to configure Puppet*
- *Built a history feature to enhance bug tracking analysis*

Telcare

June 2015 - August 2015

Research and Development Product Engineering Intern

- *Built proof of concept prototypes of next generation medical devices*
- *Authored studies on the feasibility of medical device concepts*
- *Programmed microcontrollers in the proof of concept prototypes*

Technical Skills

- *Python, C, C++, Java, Linux, Jenkins, C#, AWS, Unity, Unit Tests using the Catch Library*