

## EDUCATION

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- **Rochester Institute of Technology** Rochester, NY  
*BS/MS in Computer Engineering; GPA: 3.87/4.00* 2010 – 2015

## WORK EXPERIENCE/RESEARCH

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- **Amazon** Seattle, WA  
*Software Engineer* Oct 2018 – Present  
Working on the Amazon Photos desktop app.
- **Intel Corporation** Hillsboro, OR  
*Software Engineer* Jan 2016 – Sept 2018  
Implemented new features into the Windows/Android Intel Context Sensing SDK. Enabled new sensor use cases for the Intel Integrated Sensor Hub (ISH) on multiple platforms.
- **Leuze Electronic** Fairport, NY  
*Software Engineer Co-op* June 2014 – Aug 2014  
Worked on the Phytex phyFLEX I.MX6 SOM and developed a simplified kernel for the Linux OS. Created a single-shot camera driver and xmodem protocol for the microcontroller and complied with software development practices and documented performance test results.
- **Leuze Electronic** Fairport, NY  
*Embedded Software Engineer Co-op* June 2013 – Aug 2013  
Designed, implemented and tested system software for both a legacy and a new barcode scanner. The project involved the conversion of drivers, decoders and other modules working on a 16bit to a 32bit ARM microprocessor and an automated testing system.
- **Thomson Reuters** Rochester, NY  
*Software Engineer Co-op* Mar 2012 – Aug 2012  
Implemented workflows to automate manual build processes and worked with a web based tool, AntHillPro, to configure and deploy changes in software codes and documentations.
- **Net IP Laboratory, RIT** Rochester, NY  
*Research Assistant* Dec 2011 – May 2015  
Collaborated on topics such as Frequent Pattern Mining, Resource Access Monitoring of Android Systems and methods to analyze Social Networks and how they relate to Cyber Security. Developed SCANNER: Sequence Clustering of resource Access to find Nearest Neighbors as Master's Thesis.
- **Academic Support Center, RIT** Rochester, NY  
*Tutor* Sept 2011 – May 2015  
Provided students at RIT with academic assistance in Calculus, Multivariable Calculus and Physics.

## PROJECTS

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- **Inspiquote Android app (WIP):** Developing an app in Android and Flutter that displays an inspirational quote from an author when a user requests one. The app gets the quote through a REST call to a Flask Python webserver deployed on Heroku.
- **Senior Design Project:** Worked on a Wirelessly Controlled Recon and Surveillance Vehicle to perform 3D mapping of the room and send a live video stream to a mobile app.
- **Data Mining Project:** Made use of various machine learning algorithms in the WEKA toolset to classify a dataset of bib images from a marathon.

## TECHNICAL SKILLS

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- **Languages:** Java, Android, Python, C#, C, C++, Matlab, Assembly.
- **Software:** Visual Studio, IntelliJ IDEA, PyCharm, Eclipse, Android Studio, uVision, ModelSim.
- **Hardware:** ARM Cortex-m3, Freescale HSC12, Spartan 3E FFGA, Freescale Kinetis K60.