

# Alberto Li

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## EDUCATION

### GEORGIA INSTITUTE OF TECHNOLOGY

**B.S. IN COMPUTER ENGINEERING**  
August 2015 - May 2019 | Atlanta, GA  
GPA: 3.91

## LINKS

Personal Site:// [www.albertoli.tech](http://www.albertoli.tech)  
LinkedIn:// [albertoli](#)  
Github:// [albertoli](#)

## SKILLS

### PROGRAMMING

Java • Python • C/C++ • C#  
Matlab • Javascript • Bash • SQL

### FRAMEWORKS & LIBRARIES

NodeJS • React • Redux • JavaFX

### INSTRUMENTATION

Oscilloscope • Logic Analyzer •  
Signal Analyzer • Soldering

### CERTIFICATIONS

NI LabVIEW CLAD •  
Six Sigma Yellow Belt

## LEADERSHIP

### ECE 2031 - DIGITAL DESIGN LAB

#### TEACHING ASSISTANT

January 2017 – May 2017

- Facilitate a rapid-prototyping class dominated by FPGA projects guiding students in their lab assignments
- Aid in design and validation of digital logic circuits using industry standard equipment such as oscilloscopes and logic analyzers

### GT ROBOJACKETS - ROBOCUP TRAINING ASSISTANT

Sept 2016 – May 2017

- A Robotics team that competes in a 6-on-6 AI-driven soccer match against teams from around the world
- Lead technical training sessions designed for new RoboJackets members
- Lecture about fundamental circuit analysis techniques, instrumentation, and practical skills to new members

## WORK EXPERIENCE

### EXXONMOBIL | SOFTWARE ENGINEERING INTERN

May 2018 – August 2018 | Houston, TX

- Worked on rewriting full stack solution of HR application in React + Redux, .NET Core, and Entity Framework Core with a focus on User Centered Design
- Increased system stability and reduced user error of HR application

### INTEL CORPORATION | PRODUCT DEVELOPMENT INTERN

January 2018 – May 2018 | Folsom, CA

- Decreased SSD test time by modifying read/write algorithm to dedicate variable bandwidth for platform configuration
- Developed wrapper library to interface with the test platform's BIOS and BMC through the IPMI protocol
- Automated yield report generation and distribution for 3D XPoint Apache Pass persistent memory DIMMs

### GENERAL ELECTRIC | EMBEDDED SYSTEMS INTERN

May 2017 – August 2017 | Minden, NV

- Developed advanced debugging system for monitoring device to help reduce product development time by 3 months
- Implemented client-server application on QNX Real-Time Operating System (RTOS) in C/C++ with Sockets API on the server-side and a C# front-end

### FLORIDA POWER & LIGHT | SOFTWARE ENGINEERING INTERN

May 2016 – August 2016 | Miami, FL

- Designed and developed questions log application using Visual Basic and SQL Server for Customer Accounting to increase visibility and reporting capabilities
- Exercised project management skills, scheduled demos and coordinated with training department to set up job aids and training sessions for application

## RESEARCH

### INTELLIGENT VISION & AUTOMATION LAB | RESEARCH ASSISTANT

Sept 2017 – December 2017 | Georgia Tech | Atlanta, GA

Worked with a team of four other undergraduate researchers, combining AR technologies and ROS to create a feedback system such that a user can control a robotic arm with the Hololens.

### INAN MEDICAL DEVICES LAB | RESEARCH ASSISTANT

Sept 2016 – May 2017 | Georgia Tech | Atlanta, GA

Worked on a smart sensor packaging system for characterizing sensor-to-body interactions in wearable medical devices. Implemented vibrational system using accelerometers and a bone transducer to generate a heat map to predict location.

## PROJECTS

### INTERNET OF THINGS (IOT) SMART HEDGEHOG HOME

An open source smart home system for hedgehog with monitoring features driven by data collected from a range of sensors to autonomously control hedgehog home. Deployed application on an AWS EC2 cloud instance using basic Flask server.

### COMPUTER VISION OBJECT CLASSIFIER

A simple Support Vector Machine trained with a set of face and car images that tells the difference between the two when a new image is provided.