

# Alberto Li

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## EDUCATION

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### Georgia Institute of Technology, Atlanta GA

- M.S. Computer Science, GPA: 4.00/ 4.00, **August 2020 – Current (while working full time)**
- B.S. Computer Engineering, GPA: 3.92 / 4.00, **August 2015 – May 2019**

## EXPERIENCE

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### Amazon Web Services – SDE II Seattle, WA

*April 2021 – Current*

### Amazon Web Services – SDE I Seattle, WA

*March 2020 – March 2021*

- Designing and developing a geo-distributed and highly scalable data migration service for AWS
- Technical Stack: Java, React, Ruby on Rails, Databases - Postgres, MySQL, DynamoDB
- Infrastructure: EC2, S3, RDS, IAM, CFN

### Goldman Sachs – Engineering Summer Analyst (Investment Banking) New York, NY

*May 2019 – August 2019*

- Worked on Marquee Jupiter Shareholder Analytics Platform as a full stack developer
- Implemented regional ownership breakdown analysis, cost-basis with multiples features, and investment banking excel report automation
- Technical Stack: Java, Angular, Scala, Mongo DB

### ExxonMobil Corporation – Software Development Intern Houston, TX

*May 2018 – August 2018*

- 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 performance, stability, and reduced user error of HR application

### Intel Corporation – Product Development Intern Folsom, CA

*January 2018 – May 2018*

- Created wrapper library to interface with the test platform's BIOS and BMC through the IPMI protocol
- Developed automated report generation tool for distributing recurring emails on yield metrics for memory DIMMs

### General Electric – Embedded Systems Intern Minden, NV

*May 2017 – August 2017*

- Developed advanced debugging system for monitoring device to help reduce product development time by 3 months
- Designed architecture and implemented client-server model design using QNX Real-Time Operating System for a multi-threaded C/C++ Server application and C#/.NET for a Client front-end GUI using Berkeley Sockets API

### Florida Power & Light – Software Engineer Summer Intern Miami, FL

*May 2016 - August 2016*

- Designed and developed an application using Visual Basic as the front-end and SQL Server as the back end for Customer Accounting to increase visibility and reporting capabilities to the process improvement team

## RESEARCH

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### Intelligent Vision & Automation Lab | Research Assistant Atlanta, GA

*September 2017 – December 2017*

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

### Inan Medical Devices Research Lab | Research Assistant Atlanta, GA

*September 2016 – May 2017*

- Worked on a smart sensor packaging system for characterizing sensor-to-body interactions in wearable devices
- Implemented vibrational system using accelerometers and bone transducers to predict human's sensor placement

## LEADERSHIP

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### Teaching Assistant (TA) for ECE 2031: Digital Design Lab at Georgia Tech Atlanta, GA

*January 2017 – May 2017*

- Facilitated a rapid-prototyping lab class dominated by FPGA projects by guiding students in their lab assignments

### Training Assistant - GT RoboJackets Atlanta, GA

*September 2016 – May 2017*

- Lead technical training sessions designed for new members in RoboJackets, a robotics student competition team

## SKILLS

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Programming	Python, Java, Javascript, C#, MATLAB, SQL, C/C++, HTML, CSS, Bash
Software	Quartus II, EagleCAD, Git, LabVIEW, Logger Pro, QNX Momentics, Biopac
Instrumentation	Oscilloscope, Logic Analyzer, Soldering, Signal Analyzer
Frameworks/Technologies	Angular, NodeJS, React, Spark, MongoDB