# Alberto Li

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EDUCATION

**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

**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

**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

**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 |