Alberto Li

www.albertoli.tech | ali97@gatech.edu | 305.790.7218 | U.S. Citizen

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

B.S. in Computer Engineering
Expected May 2018 | Atlanta, GA
Cum. GPA: 3.91

LINKS

Personal Site:// **www.albertoli.tech**
LinkedIn:// **albertoli**
Github:// **albertoli**
Instagram:// **@dumb_ytpos**

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 members in RoboJackets
• Lecture about fundamental circuit analysis techniques, instrumentation, and practical skills to new members

WORK EXPERIENCE

EXXONMOBIL | Software Engineering Intern

May 2018 – Current | Houston, TX
- Developing full stack solutions in React + Redux, .NET Core, and Entity Framework Core with a focus on User Centered Design
- Rewriting HR application to increase system stability and reduce user error

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 | Ithaca, NY
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 | Ithaca, NY
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.