

# Alex Nussey

SolderThoughts.com/Projects  
alex@nussey.com

## EDUCATION

### GEORGIA INSTITUTE OF TECHNOLOGY

#### BS IN COMPUTER ENGINEERING

Minor in Computer Science

Expected December 2018

CUM. GPA: 3.9

#### CONCENTRATIONS:

Embedded Software (CmpE)

Digital Design (CmpE)

Systems and Architecture (CS)

## LINKS

Github:// [nussey](#)

LinkedIn:// [nussey](#)

## COURSEWORK

### CURRENT

Architecture and Concurrency

Physical Foundations of CompE

Processor Design

### PAST

Computer Systems and Networks

Digital Signal Processing

Modern Physics

Discrete Math and Algorithms

Digital Design Lab

Circuit Analysis

## SKILLS

### SOFTWARE

Proficient:

Golang • C/C++ • Python • Linux

Bash • Git • gRPC • Google Cloud

Intermediate:

Java • Ruby • Javascript • PHP

AWS • Docker • Jenkins • ESXi

### HARDWARE

Soldering • PCB Design • Eagle CAD

Arm • TI • Atmel • Arduino • Verilog

Shop Tools • CNC Manufacturing

### WETWARE

Public Speaking • Event Planning

Presentations • Team Dynamics

## EXPERIENCE

### FULLSTORY | HEAD OF INTEGRATIONS AND APIS TEAM

May 2015 - August 2017 | Funded by Kleiner Perkins, Google, Salesforce

- Led one of five engineering groups (reporting directly to CTO) in building APIs and integrations operating at 250,000,000+ client queries/month scale
- Joined as employee #13 and helped grow the company through Series A and B funding, a 5x headcount increase, and 2000% revenue growth
- Developed Salesforce integration, paving the way for their Series B investment
- Created one of the first open-source package managers for Google's GoLang
- Worked directly with clients/partners to offer custom solutions and T3 support
- Overhauled internal tooling with an automated build/test process (Jenkins) and a turnkey dev environment (Docker)

### GT SOLAR RACING | PRESIDENT, LEAD DRIVETRAIN ENGINEER

Expected 2016 - 2018 | University Team - Nationally Competitive

- Implemented one of the most efficient EV drive trains in the world using cutting-edge wide-bandgap power electronics and Halbach/Axial Flux PMSMs (>97% real-world composite efficiency - 650 MPGe)
- Leading and growing engineering focused team of 70+ students
- Designed, manufactured, and programmed custom embedded controllers
- Interface with CAN network for drive systems controls and safety features

### KEYV | SOFTWARE ENGINEERING INTERN

May - Aug 2013 | Funded by Atlanta Ventures

- Venture backed startup focused on interconnecting cloud platforms
- Built, deployed, and maintained "cloud connectors" for the production application in Ruby using various external APIs and SDKs

### SING MASTERING | AUDIO MASTERING INTERN

January - May 2014 | Atlanta, GA

- Helped prototype new proprietary automated analog mastering process
- Maintained website and social media presence

### FIRST ROBOTICS | COMPETITOR & VOLUNTEER

2004 - Present | Atlanta, GA

- President (130 members/\$30k budget) and Team Captain. 25+ awards
- Ongoing volunteer in the rolls of Event Coordinator, Mentor (10+ teams), Emcee, and AV Production

## PROJECTS

### HACK GT | "BEST USE OF VEHICLE APIS" WINNER

- Top 10 Prize at largest student hackathon in the Southeast
- Custom wireless IoT parking sensor and management system
- Developed backend sever/data model (Go), administrative web frontend (Javascript), and API for Android App (REST)

### QUADCOPTER | CUSTOM 3D PRINTED DRONE

- Remote GPS and telemetry, custom Arduino based PID control
- Semi-autonomous features including patterns and point to point