

Benjamin Elder

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EDUCATION:

Georgia Institute of Technology, Atlanta, GA

August 2013 – Present

- Candidate for Bachelor of Science in **Computer Science**
- Threads: **Intelligence, Devices**
- GPA: 3.88 (CS), 3.37 (overall)
- Honors: Dean's List

Expected Graduation: May 2017

SKILLS:

Programming Languages:

- **Python, Go, Rust, C**
- Familiar with: Java, C++, Html/CSS, Bash, Make, LaTeX, Typescript, C#...

Technologies:

- Git, Android, Linux, Windows, OS X, Postgres, Redis, Travis-CI

PROJECTS:

Google Summer of Code 2015

- Worked on Google's [kubernetes](https://kubernetes.io) open source container cluster management software.
 - Improved networking performance by writing a new service proxy that used iptables rules for proxying instead of the existing userspace server.
 - Contributions: github.com/kubernetes/kubernetes/commits/master?author=BenTheElder
 - Benchmark: github.com/kubernetes/contrib/pull/10

CreatureBox

- Evolutionary neural network avoidance simulation written from scratch as an experiment in go 1.5's mobile app support via [gomobile](http://gomobile.io).
 - Source: github.com/BenTheElder/creaturebox
 - Writeup: bentheelder.github.io/blog/creaturebox.html

slack-rs

- Rust library for writing chat-bots that communicate over the slack real-time messaging api.
- Now a github organization, with the source organized into multiple "crates" (packages).
 - Source / Organization: github.com/slack-rs
 - Demo: github.com/slack-rs/slack-rs/tree/master/examples
 - Over 2,800 Downloads from crates.io.

Too Many Lasers

- Typescript / Phaser HTML5 sandbox game with simulated fleet combat in space. Capstone project for CS 4731 (Game AI) at Georgia Tech. Written with Alec Fenichel and Matt Schmidt.
 - Source: github.com/fenichelar/Too-Many-Lasers

ACTIVITIES:

IEEE, Member

August 2013 – January 2015

IEEE Hardware Team, (Georgia Tech)

August 2013 – May 2014

Member, developed computer vision software in C on embedded hardware for a custom-built robot to participate in the IEEE's SoutheastCon hardware competition.

ACM, Member

September 2016 – Present

IEEE, Member

September 2016 – Present

IEEE Hardware Team, (Georgia Tech)

September 2016 – Present

Member, developing software for a custom-built robot to participate in IEEE's SoutheastCon hardware competition in Spring 2017.