Benjamin Elder

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EDUCATION:

Georgia Institute of Technology, Atlanta, GA   **August 2013 - Present**

- Candidate for Bachelor of Science in **Computer Science**   Expected Graduation: May 2017
- Threads: **Intelligence, Devices**
- GPA: 3.32 overall, 3.68 major

SKILLS:

Programming Languages:
- **Go, Python, 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 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.
    - 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: github.com/slack-rs/slack-rs
    - Sub-Package Source: github.com/slack-rs/slack-rs-api
    - Demo: github.com/slack-rs/slack-rs/tree/master/examples

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 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 SoutheastCon's hardware competition.

IEEE, Member   August 2013 – January 2015

ACM, Member   September 2016 – Present