Garrett Barboza

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▬▬▬ Experience

Work

October 2011–Present — **Co-Founder & Engineer**, *Kaprica Security*.
Co-Founded a cyber security startup focused on smart solutions to hard problems.
- Developed the challenge corpus for DARPA's Cyber Grand Challenge
- Lead development on a enterprise solution for Android configuration.
- Designed and built a hardware based solution for Android security.
- Assisted in Research & Development

Summer 2011 — **IS & GS Security Intern**, *Lockheed Martin*, Arlington, VA.
Worked in Internal Research and Development with a focus on embedded systems from a security standpoint.

Summer 2010 — **Software Engineering Intern**, *Bay Controls*, Maumee, OH.
Developed an Android application to remotely control internet enabled thermostats.
- Integrated application with existing infrastructure.
- Solely responsible for development of Android application.

Other

April 2011-2015 — **PlaidCTF**.
Helped organize and run an annual capture the flag competition for industry enthusiasts and professionals.

Spring 2013 — **picoCTF**, *Carnegie Mellon University*, Pittsburgh, PA.
Designed and ran a capture the flag security competition for high school students.
- Over 5000 high school students competed during the course of a week.
- Sponsored by the NSA

▬▬▬ Education

2009–2013 — **BSc Computer Engineering**, *Carnegie Mellon University*, Pittsburgh, PA.
Minor in Computer Science

▬▬▬ Skills

Specialty — Software Security, Software Architecture, Systems Programming, Compilers

Programming Languages — Python, C, Assembly, Haskell

▬▬▬ Interests

Programming Languages — I am interested in research related to the design and implementation of programming languages, specifically functional programming languages, and compiler construction.

Reverse Engineering & Vulnerability Research — I am interested in the analysis of software and systems from a security perspective. Specifically, attack and defense techniques related to compiled binaries and operating systems.