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Garrett Barboza

Education

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

Experience

Vocational

October 2011–Present **Cofounder & Engineer**, *Kaprica Security*, Reston, VA.
Helped found and bootstrap a mobile security startup.
- Designed and built a hardware based solution for mobile platform security.
- Ported initial solution to a variety of platforms for demoing purposes.
- Developed embedded and backend code to provide an intuitive user experience.

Summer 2011 **Security Intern**, *Lockheed Martin*, Arlington, VA.
Worked in Internal Research and Development focusing 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.

Miscellaneous

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

Skills

Specialty Software Security, Systems Programming, Embedded Systems, Compilers

Programming Languages C, Assembly, Python, Haskell, Javascript

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Interests

Programming Languages I am interested in research related to the design and implementation behind 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.