Caleb Ashmore Adams

CalebDevelops.com | CalebAshmoreAdams@gmail.com | 770-314-8422

Permanent Address:
630 Goldenwood Court
Powder Springs, GA 30127

Current Address:
304 Highland Park Drive
Athens, GA 30605

EDUCATION

The University of Georgia, Athens, GA
Bachelor of Science, May 2017
Majors: Computer Science & Astrophysics
Zell Miller and Hope Scholarship recipient
Redcoat Band Music Scholarship recipient
Current GPA: 3.32/4.0

Hillgrove High School, Powder Springs, GA
Honors High School Diploma, May 2012
Cumulative GPA: 4.35/4.0

RELEVANT COURSEWORK

Data Structures, Algorithms, Networking, Distributed Systems, Software Programming and UNIX, Systems Programming, Theory of Computation, Development in JAVA, Discrete Mathematics, Multivariable Calculus, Differential Equations, Classical Mechanics, Stellar and Galactic Astronomy,

COMPUTER SKILLS

Operating Systems: Mac OSX, GNU/Linux(Debian, CentOS, Ubuntu, Puppy), IOS, Android (KitKat)
Programming Languages: C, C++, Objective-C, Java, Javascript, HTML5, CSS, PHP, Python, Ruby
Other Related Skills: Bash and Shell Scripting, OpenGL, OpenGL ES 2.0, Apache 2.0, MySQL, OpenSSH, Gradle, XML, JQuery, Library construction, Rails, Server construction, Arduino, Raspberry Pi, Computer Engineering, Physics, Astrophysics

WORK EXPERIENCE

NASA Intern: I helped develop NASA's Core Flight Software and integrated military grade audio systems into flight systems and the network at NASA's Johnson Space Center.
- Core Flight Software: I built custom CFS applications that could accept UDP and CCSDS communications for handling audio commands and telemetry.
- Audio Network Communications: Build packet sniffers and network traffic analyzers to make audio communications more efficient.

Founder of Spacey Sciences: Formed with the goal of bringing astronomy closer to the public. We are building automated telescopes and plan to launch a cubesat by 2016.
- Popular Blogs: We currently run the most popular Astronomy and Computer Science blogs on tumblr with over 180,000 readers.
- Self Built Telescopes: Spacey builds small and cost efficient automated telescopes for mass use.
- Small LEO Satellites: Spacey is designing UGA's first satellite for Low Earth Orbit.

UGA Cubesat Team Leader: I lead a team of Undergraduates and communicate with Faculty, Industry, and NASA researchers.
- Research and Development: Designed with Industry Partners and NASA research center collaborations.
- Earth Science and Research: The first moderate spectral resolution coastal ecosystem CubeSat.

Undergraduate Researcher at the Hodgson Glass Research Lab: I am currently working as the head undergraduate researcher. I assist Dr. Turner with technical research and logistics.
- Website Construction and Server Configuration - Web design and development.
- Music Apps for Google Glass and Smart Phones - Research and development with Android devices.
- Smart Podiums and Smart Music Stands - Research and development with Raspberry Pi and Linux.

Home Depot Experimental Lab IT Intern: I have worked for The Home Depot as an IT intern in their Experimental Development Lab. I worked with a team on cutting edge technologies.
- Google Glass Development for Retail Applications - Research and development.
- Virtual Reality in a Retail Environment - VR with Goggle Cardboard and OpenGL.
- Smart Home Appliances - Research and development.

AWARDS & HONORS

- Winner of Virginia Tech Hacks: Placed 1st out of 700
- Best Veteran Hack at Hack FSU: Placed out of 500
- Top 8 Hacks in Hack GT: Placed out of 1000
- Team Excellence: Awarded by NASA's Avionics Systems Division
- TEDx UGA Student Idea Showcase Presenter

LEADERSHIP EXPERIENCE

- Satellite Undergraduate Team Leader - I lead a team of 20+ Scientists, Engineers, Developers to design UGA's first CubeSat
- Chief Technology Officer of UGA Hacks - A founding member of the first hackathon to be hosted at UGA.
- Redcoat Band Section Leader - Manage and rehearse 60+ band members
- Founder of Spacey Sciences - I am actively forming a team of developers, engineers, editors, and animators.
- Web Master and Web Committee Chair for the IEEE - Electronics engineering. I teach web development to 20+ of my peers.
- Web Master of the Epsilon Lambda chapter of Phi Mu Alpha - Professional music fraternity