

Andrew Solomon

Life-time Student
Atlanta, GA

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andrewsolomon.edu@gmail.com
andysolomong.github.com / 678-613-5631

Education

- **Albany State University** Albany, GA
B.Sc. Computer Science 2005 - 2010
 - Department of Math and Computer Science (Research Assistant, 4 years)
 - Emphasis on machine learning/data mining and algorithm design/software development related to bioinformatics and IT security
 - Graduated with minors in Business and Mathematics

Skills

- **Javascript:** Development (jQuery, Backbone, Express, Geddy, jQuery Mobile), Testing/Configuration (Jasmine, JSLint, Require)
- **Ruby:** Development (Rails, Sinatra, Jekyll, Mruby), Testing/Configuration (RSpec, Cucumber, Bundler, Rake)
- **PHP:** Development (Codeigniter, Wordpress)
- **HTML/CSS:** Development (HAML, SASS, LESS, Canvas, WebSockets), Testing/Configuration (Compass)
- **Unix:** Systems (Ubuntu, CentOS, Mac), Tools (Git, Vim, Tmux, ZSH)
- Discovering and implementing new ideas. Give me an API and a problem and I will figure it out.
- Diverse background in Math, Computer Science, Physics and Biology allows me to communicate to a wide scientific and general audience and begin contributing to any group immediately.
- I have worked in many places in a myriad of fields. I can readily learn and adapt to a new discipline, area or environment and start pushing real results quickly.

Research and Work Experience

- **The Monticello Corporation** Atlanta, GA
Senior Software Development 2010-Current Position
 - Developed and maintained commercial SAAS software in PHP and Javascript
 - Implemented and designed 3rd party API functionality to allow users to freely interact with Google Docs API
- **Blackbox Network Services** Fitzgerald, GA
Computer Data Technician 2010

- Setup, configured, and maintained Wal-Mart’s complex LAN and WLAN implementation. Gained experience setting up and maintaining Cisco routers and switches, along with VLAN and Voice-Over-IP solutions
- Made key schematically design routines for proper planning and installation of wired and wireless systems

- **Albany State University** Albany, GA
Researcher in Information Assurance program under Dr. Robert Owor Summer 2009

- Wrote **open source** web application in PHP and Javascript allowing students to explore research options in Information Assurance
- Contributed in setting up information security workshops with Alabama A and M, Auburn University, Albany Tech, and Darton College

- **Albany State University** Albany, GA
Research Assistant in Perl for Bioinformatics under Dr. Khalil Dajani 2006-2008

- Developed minor **open source** desktop utility in Perl, used to analyze DNA sequencing of any being
- Gained programming experience in Perl and Ruby working with software packages like BioPerl and BioRuby

- **KaKo Industries** Roswell, GA
Data Technician 2005-2007

- Worked with a small team prewiring CAT5, coaxial, and home security and speaker wires. Installed systems from small business to major residential outfits

Personal

- **Hobbies:** Poker, Swimming, Running, Video Games, Building things (physical and/or digital) and watching movie documentaries.
- **Why Industry over Academia?** I love exploring new problems on the forefront of research, but academia moves too slowly and bureaucratically for me. I enjoy working in a fast-paced environment pushing measurable results to clients on a daily timescale, using the skills that I have honed throughout my academic career.
- **My Ideal Position:** Working with a fun team solving interesting problems. I enjoy every part of development, from deep backend optimization to client-facing applications and interaction. I would love to make a difference wherever and however I am able while leveraging my machine learning, data mining and mathematical background.