

Andrew Solomon

Life-time Student, Computational Scientist
Atlanta, GA, 30324

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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 Cum Laude with minors in Business and Mathematics

Skills

- **Development:** Python (Django), JavaScript (Nodejs, Geddy, Backbone), Ruby (Rails, Sinatra), PHP (Codeigniter)
- **Mathematics:** Optimization, Linear Algebra, Computational Physics, Complex Systems, Tomology
- **Computer Science:** Machine Learning, Data Mining, Parallel Programming, Data Structures, Artificial Intelligence, Operating Systems
- 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 maintaing Cisco routers and swithces, along with VLAN and Voice-Over-IP solutions
 - Made key schematically design routines for proper planning and installinton 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 drinking good beer new and old friends.
- **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.