

Paul A. Weiler

Athens, Ga 30605

yzpaul@gmail.com - www.paulweiler.com

SKILLS

- Data Visualization and Data Analytics (using R)
- Ticket management and client relations
- **Statistics:** Regression, ANOVA, Multilevel modeling, Factor Analysis, and trend forecasting
- **Main Programming Languages:** R, Ruby, Java, VBA
- **Other Programming Languages:** C, C++, PHP, Scala, C#, SQL, HTML, XML, jQuery, JavaScript
- **Main Scripting Languages:** Bash, Ruby, and Autoit
- Windows Active Directory Domain Imaging via PXE/WDS and system prep
- MS Office, Adobe CS, and Eclipse IDE experience
- Experience repairing desktop PC's and laptops
- Dell Certified Technician
- Leadership Training through the Boy Scouts
- 2+ Years Linux Server Admin (Ubuntu)
- OS Programming experience: Android

SUMMARY OF QUALIFICATIONS

- UGA graduate student with a B.S. in Computer Science
- Master's Degree in Psychology with a focus on statistics and predictive analytics.
- Provided IT support and mobile application development to the UGA Psychology department.
- My interests include rock climbing, reading, and data visualization
- I am an Eagle Scout with a Bronze Palm.

EDUCATION/ PROJECT EXPERIENCE

Data Scientist
UGA Psychology Department

2014- Present
Athens, Ga

- Use R and Ruby extensively to parse text data and analyze social networks.
- Use a wide array of statistical and machine learning processes in order to detect patterns in the data and represent the patterns visually.
- Create and manage numerous databases and web services in order to perform detailed analyses on the dataset and represent relationships graphically.

Involved in the following psychology department studies:

- Analyzed a social network of terrorists in order to determine the most high value target.
- Used text parsing and semantic analysis to determine common threads among complaint emails that were received by a company.
- Developed a smartphone tracking application to determine patterns based on movement and emotional state of participants moving around Athens, GA.

WORK EXPERIENCE

Java Developer and Data Analyst
Estelle Networks

2017-2018
Athens, Ga

- Worked with a team to develop the Estelle Networks inventory management application.
- Created a mobile inventory scanning application that works with the Estelle database to authenticate and track inventory globally.

Mobile Application Lead Developer
Estelle Networks

2013-2014
Athens, Ga

- Worked with a team to develop the Estelle Networks inventory management application.
- Created a mobile inventory scanning application that works with the Estelle database to authenticate and track inventory globally.

**Application Developer
UGA Psychology Department**

**2012-2014
Athens, Ga**

- Developed several psychological testing applications used in research studies conducted by the Psychology Department.
- Designed applications that met research study requirements while being lightweight enough to run on mobile platforms.

Specific projects included:

- Created an Android application that integrated cognitive measurements with GPS data and emotional reactions to situations.
- Developed a program to gather and analyze social media data (Twitter, Facebook, Google+) to look for personality patterns.
- Developed a research project designed to measure narcissistic tendencies in virtual environments using Minecraft.
- Developed a research project designed to measure narcissism in online social environments using an MMO.

**Student Worker and Psychology Domain Network Liaison
UGA Franklin College**

**2011-2013
Athens, Ga**

- Worked with a team to maintain and improve the network infrastructure as well as implement hardware and software upgrades in a mixed OS environment.
- Provided front-line helpdesk service.
- Helped migrate from Novell to Windows Active Directory.
- Helped to maintain DHCP database for computer records.

CONTRACT WORK

2011-Present

Sentiment360

- Java Developer and Lead Data Analyst

Curant Health

- IT support and proprietary database maintenance

Parker Properties

- VBA programming for custom Excel application

Line Design LLC

- Ruby programming for custom desktop application

EDUCATION

M.S. in Psychology

Areas of Interest:

Predicting patterns in virtual environments based on personality.

2015-August 2017 (in progress)

University of Georgia

Current GPA: 3.42

B.S. in Computer Science

Areas of Interest:

Software and mobile application development.

2010-2014

University of Georgia

