# IAN CHRISTOPHER EZELL

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## Career Overview

Utilize my talents in mathematics and computer science to further my career.

## Qualifications

Programming Languages:

- Python (numpy, pandas, sklearn, and others)
- C (open mp and mpi)
- Java (multithreading, lucene, maven, and others)
- SQL (postgres, sqlite, and mysql)
- NoSQL (mongo, redis, dynamoDB)
- R
- HTML/CSS/Javasript

Mathematics:

- Machine Learning
- Optimization Techniques
- Linear Algebra
- Statistics
- ProbabilityTheory

## Accomplishments

- Support Cloud (AWS) and Legacy Environments at The General
- Developed and Deployed with various cloud infrastructure tools such as Terraform, Packer, docker, kubernetes, and Ansible in AWS
- Supported Data Science team in AWS
- Supported many contracts and sponsored research ranging from benchmarking high performance computing to building analytical dashboards.
- Supported projects as a lead developer and principal researcher.
- Started a programming educational club at the local high school.
- Won various awards at Noblis for my work accomplishments.

## Work Experience

**DevOps Engineer II**                                                                    Aug 2017 to Current
Permanent General Assurance Corporation — Nashville, TN

- Supported legacy infrastructure as the Web Architect with Salt, Tomcat, Apache Server, kubernetes, ELK stack, and a Netscaler
- Supported AWS infrastructure as a DevOps Engineer with tools such as Terraform, Packer, and Elastic
- Supported Data Science team as a DevOps Engineer with similar tools for EMR (Spark Cluster), Juypiter cluster, misc machine learning tools.
- Helped develop and deploy a rewritten CMS in node.js
- Developed python scripts for automation pipelines
- Helped develop Lambda functions in AWS written in Python
- Assisted Data Science group to containerize Python applications

**Data Scientist**                                                                         Oct 2014 to Apr 2017
Noblis — Danville, VA

- Contributed to multiple Noblis Sponsored Research (NSR) projects and contracts.
- Learned multiple programming languages with little experience outside of academics
- Worked on High Performance Computers including a Cray XMT-2.
- Utilized C programming with Python injects and to use for heavy lifting in multithreading and distributed programs.
- Started High School Development Program (teaching programming).

- Developed programs in Python involving web scrapping, web deployment (backend), and high performance applications
- Helped develop models and algorithms for image processing and cryptography

Planetarium Operator                                              Jan 2014 to Feb 2016
Danville Science Center — Danville, VA
- Presented the Digital Dome to audiences about Astronomy.
- Maintained the stability of the Digital Dome system.
- Wrote scripted code for presentations.
- Helped with business reports (data visualization).

Student Representative                                           Aug 2011 to May 2013
Microsoft — Tempe, AZ
- Promoted Microsoft hardware and software for Arizona State University.
- Trained Microsoft promoters in Windows 8.

## Education and Training

Bachelor of Science, Applied Mathematics                                      2013
Arizona State University

## References

Mr. Tyler Barrus
- Noblis
- (804) 212-5243
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Mr. Scott Liu
- Noblis
- (434) 429-3232
- imscottliu@gmail.com

Mr. Steve Austin
- App Dynamics
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## Skills

Mathematics, Machine Learning, Data Analysis, Data Visualization, Java, Python, C, Windows, MySQL, Optimization, Postgres, Presentations, Programming, Research, SQL, Calculus, Statistics, Linux, macOS, Biology, Computer Hardware, Cray, Genetics, Terraform, Salt, Apache Server, Tomcat, CloudWatch, ElasticSearch, Packer, nodeJS