

ALEX WEAVER

PROFESSIONAL EXPERIENCE

Data Analyst

GEICO (2016 – 2017)

Conducting data source research, data cleaning, and data transformation to support the development of the GEICO Data and Decision Sciences Team's predictive models. Producing analytical reports, summaries, and metrics for the team and executive stakeholders using Python, R, SQL, SPSS, Hadoop, Hive, and Spark.

Programmer Analyst

GEICO (2014 – 2016)

Working with GEICO static team to support geico.com and other web properties. Leading development of an application to facilitate the creation, management, and publication of web content. Designing critical system features and communicating implementation details to the team.

Assistant Programmer

University of Virginia Center for Diabetes Technology (2013)

Leading research and development for a mobile application to predict insulin needs of diabetic patients based off glucagon and insulin readings to provide appropriate treatment through personally-calculated injections.

Intern Programmer

Commonwealth Computer Research Incorporated (2012)

Designing and developing a mobile application to deliver relevant information to military units conducting ground operations. Utilizing machine learning techniques to prioritize incoming documents and pre-fetch content to increase network responsiveness and efficiency.

EDUCATION

Georgetown University (Expected Completion May 2022)

Ph.D. in Computer Science

GPA – 4.0

University of Virginia (2010 – 2014)

Bachelor of Science in Computer Science

GPA – 3.8

RELATED COURSEWORK

- Artificial Intelligence
- Network Security
- Advanced Software Development
- Web & Mobile Systems
- Program & Data Representation
- Operating Systems
- Automated Reasoning
- Probabilistic Proof Systems
- Algorithms
- Theory of Computation
- Cloud Computing
- Database Systems

LANGUAGE EXPERIENCE

- Python
- Java
- Scala
- Ruby
- Javascript
- CSS
- R
- SQL
- C++
- PHP
- HTML
- Swift

OTHER TECHNOLOGIES

- Hadoop
- Hive
- Spark
- Angular JS