Logan J Montrone

OBJECTIVE: To find a career in the field of data analysis where I can apply my expertise in mathematics and software development and work on a team.

PROFESSIONAL EXPERIENCE:

Consultant- ASR Analytics, Potomac, MD *Oct 2018 - July 2019*

Supported both Federal and State Revenue contracts by performing tax analytic efforts, developing a graphical investigation API, creating a data warehouse querying tool, and delivering other quality solutions to our clients. Assisted Business Development efforts between projects, prepared contract proposal documents, and managed internal documentation.

Systems Engineering Intern- Altran, Burlington, MA

Dec 2016 - Feb 2017

Heavily involved with the assembly of prototype and pre-production Power Transformer Monitoring Units. Embedded Algorithm Development for a commercial IOT device (using Arduino software).

Research Intern- University of Delaware Math Dept., Newark, DE

June 2016 - Aug 2016

Research assignment- J. Gelfgren's Publication on Converging Padé Approximants to Functions of Stieltje's Type

Cook/Server- New England Homes for the Deaf, Peabody, MA

June 2015 - June 2017

During the summers, led and supervised a staff of 4 or more in preparing, and serving food to approx. 100 residents using ASL.

EDUCATION:

University of Delaware, Newark, DE *June 2018*

Bachelors of Science Mathematics,
Minor in Computer Science

Masconomet Regional High School, Topsfield, MA *June 2014*

RELEVANT PROJECTS:

Developed a predictive algorithm using Newton's heating equation and partial differential equations in C++

Designed an automated data querying procedure to help an Audit Selection team to identify nefarious taxpayer entities in a Data Warehouse

Contributed to a web UI that visualized and queried graphical data for a government client

Designed an educational estuary health and care game for the DNERR using Java, git, and Agile methodologies

Performed independent research on Turán's Brick Factory Problem and the minimum crossing number of graphs

Created my own Virtual Machine, and used Metasploit, Openvas and Nessus to evaluate its vulnerability

CONTACT:

T: 978.697.3238
E: ljmontrone@gmail.com

LEADERSHIP:

Public Relations Chair of the TEDx Board of Delaware

Leader of PR of the Student organization, coordinating events and talks and representing all TEDx chapters in DE.

Treasurer of the Rodney Residence Complex

Selected by the University to govern the funds of the complex, and actively coor-dinate events across campus. Managed a budget of $1,500 and planned community events for 500+ students.

Ultimate Frisbee Team, University of Delaware

Volunteer Construction Laborer and Translator

Construction of a Church in Dan Li, Honduras, interpreted for the volunteer crew and the Honduran workers.

Appalachian Mountain Trail Crew

Restored the natural and recreational aspects of the Appalachian Mountain Trails.

TOOLS & LANGUAGES:

Java, C++, Python, SQL Server Management, Studio (T-SQL), ETL Database Procedure, Bayesian Modeling Methods, Neo4j, Javascript, Mathematica, LaTeX, Scenebuilder, Arduino, VMWare, Linux, Git, MetaSploit, OpenVas, Docker, Spark, ReactJS Library Development, Trained in a majority of AWS resources including CodePipeline, DynamoDB, Kinesis, CloudWatch, etc. Trained and practiced in Scrum Practices.