STEVEN R. PURCELL

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Driven Data Analyst with a consistent track record of excellent communication and rapport building skills, as well as a demonstrated ability to design and deploy complex analytics and machine learning frameworks.

SUMMARY

- Excellent organizational, reporting, and data analysis skills
- Exceptional communication skills – both written and verbal
- Experienced in multiple programming languages: SQL, AngularJS, Wolfram
- Proficient with Microsoft Office suite, Git, Bash, Excel, MacOS, Windows, Linux, Hadoop, Cloudera Suite, Machine Learning, Flask, Regular Expressions, and Python
- Excellent problem solving using analytical and critical thinking skills
- Demonstrated ability to design and deploy complex API backends and frameworks

EDUCATION

Bachelor of Science in Mathematics, May 2016
Austin Peay State University, Clarksville, Tennessee
Concentration in Applied Mathematics

EXPERIENCE

G2Lytics, Brentwood, Tennessee

Data Analyst, October 2017 – Present

- Design, develop, and maintain predictive machine learning models using Python and AWS.
- Develop algorithmic and programming toolkits for use modeling.
- Assist data architects and software engineers to design, develop, and maintain predictive models within automated solutions.
- Address issues of data validation and correction.
- Research new technologies and solutions within AWS ecosystem to ensure platform meets projected business requirements.
- Participate in agile development life cycle, including attending weekly stand-ups and bi-weekly planning meetings.
- Engage with team members to train and share knowledge including: code reviews, mentoring, and training, etc.
- Mentor team members in data analytics, development, and machine learning best practices.

Community Health Systems, Franklin, Tennessee
Associate Systems Analyst, March 2017 – Present

- Perform mainframe and server maintenance
- Communicate issues and status to team members and related departments
- Monitor and analyze systems, services, and scheduled jobs performance
- Transform large data sets into reports to meet data analysis needs
- Create reporting frameworks to quickly identify data and ingestion issues

edo Interactive, Nashville, Tennessee
Data Analyst, June 2016 – January 2017
- Prepare campaign progress reports, analysis and research leveraging edo data for presentation to clients both before during and after campaigns.
- Work closely with Product and Client Services teams to communicate root causes for customer success or failure.
- Prepare scheduled and ad-hoc reports and communicate analysis effectively to internal team and clients

Austin Peay State University, Clarksville, Tennessee
Structured Learning Assistance Leader, August 2015-May 2016
- Supported students to develop study skills as applied to specific course content.
- Identified root causes of learning difficulties and prepared materials and lesson plans to address issues.
- Met with professors weekly for workshop communication and feedback.

Cheatham County Emergency Dispatch, Ashland City, Tennessee
Emergency Dispatch Supervisor, August 2009-January 2012
- Oversaw day-to-day operations and managed personnel to ensure compliance of established guidelines.
- Entered data into a computer-aided dispatch system for radio dispatch purposes.
- Used active listening to prioritize and dispatch appropriate response agencies.
- Entered data into state and national law enforcement databases.

PROJECTS
- At G2Lytics, designed a searchable machine learning model library and deployment system for deploying models from research to production.
- At G2Lytics, designed and deployed the client reporting service that created and deployed the machine learning results to clients via a dashboard.
- Designed and implemented a model analytics system for advanced model metrics as a data analyst at G2Lytics.
- Designed and implemented the G2Lytics Data Science Team member onboarding Wiki.
- As a Systems Analyst at CHS, designed and implemented an early alert system to notify stakeholders of data ingestion issues.