Victor Doebbler

Atlanta, Georgia || (812) 989-4072 || victor.doebbler@gmail.com || https://www.linkedin.com/in/victor-doebbler

SUMMARY

Software and data engineer with experience in GIS, data science and visualization, full-stack web development, and object-oriented programming. Strong technical skills in Python, SQL, AWS, JavaScript, ArcGIS, C++, and MATLAB.

WORK EXPERIENCE

L3HARRIS TECHNOLOGIES – Melbourne, FL (remote as of 2020)   June 2018 - March 2023
Software engineer, data engineer

- Applied ETL processes to corporate data and developed a UI interface to create an automated performance evaluation and metrics visualization site for company contracts and programs using Python, ReactJS, and SQL
- Built RESTful APIs that served corporate data to ReactJS front-end based on dynamically chosen user inputs
- Built data lakes using AWS's S3, created virtual computing environments in EC2, and managed access with IAM. Used Athena to make server-less queries and Glue Jobs and Lambda for data ingest
- Used Docker and Kubernetes to generate virtual computing environments for a team of ~10 developers
- Used Apache Spark, Hadoop, and Zeppelin to perform big data analytics on corporate data in a cloud environment
- Wrote and debugged unit and integration tests using TestComplete, PyTest, and Jest to ensure stability and performance of customer site
- Developed Python scripts for collection of non-imagery geospatial data in the range of gigabytes from text-based sources and attribution
- Developed geospatial feature extraction and attribution using Python and SQL, eliminating the need for analysts to manually identify and attribute Built Up Areas
- Created ArcTools and CLIs using Python for automation of geospatial analysis processes
- Developed automated power line vector extraction from massive point cloud datasets in C++ with 96% accuracy

UNIVERSITY INFORMATION TECHNOLOGY SERVICES – Bloomington, IN   January 2016 – June 2018
Technology center consultant supervisor

- Managed, trained, and evaluated a staff of 12 team members
- Monitored university network problems and solved a wide range of local, computer-based problems

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY – Austin, TX   May 2017 – August 2017
Business analyst intern, Information Resources Division

- Updated agency functional requirements and use cases for legacy systems to adhere to web accessibility standards
- Performed user testing on permitting applications to gauge functionality and communicated results to leadership

CIGNA HEALTHCARE – Hartford, CT   May 2016 – August 2016
TECDP intern

- Created and displayed graphics for a prototype web application that gamified healthcare for Cigna customers
- Wrote user stories, conducted Scrum ceremonies, and shadowed project managers and system analysts

EDUCATION

INDIANA UNIVERSITY – Bloomington, IN   May 2018
Bachelor of Science in Informatics

- Cumulative GPA 3.489/4.0, Major GPA 3.721/4.0
- Minors in Environmental Management and Geography
- Certificates in Entrepreneurship and GIS & Remote Sensing

TECHNICAL SKILLS

Development: Python, C++, SQL, MATLAB, HTML, CSS, JavaScript, Vue.js, ReactJS, Node.js

Geospatial Analysis: ArcGIS, Erdas Imagine, QGIS, QT Modeler, GeoPandas, OpenLayers/OSM

Web/Distributed Computing: Docker, Hadoop, Kafka, Spark, Zeppelin, Django

AWS: Athena, Lambda, S3, Glue Jobs, API Gateway, IAM, Cognito, CloudFront, Redshift, EC2

Data Science: SPSS, Pandas, scikit-learn, TensorFlow, NumPy, Keras, OpenCV, MatplotLib

Project Management: Agile, Atlassian tools, Git