

Asher Chok

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PROJECTS

- **Ongoing Cloud Resume Project:** Developing a cloud-based personal website using AWS services such as S3 for object storage, CloudFront for content delivery, Route 53 for DNS management, Lambda for serverless computing, and Terraform for infrastructure management, utilizing skills in HTML, CSS, and various AWS technologies.
- **Cloud-Based Web App Deployment:** Successfully planned and executed the deployment of a Flask web app on AWS Elastic Beanstalk, utilizing Python 3.8 running on 64bit Amazon Linux 2 and incorporating modifications to requirement files, a Procfile, and other settings to ensure successful deployment in the US East (Ohio) server in a cloud environment.
- **Exploratory Data Analysis:** Analyzed customer profile data and predicted CO2 emissions from existing company data using a variety of data analytics tools including Matplotlib, Pandas, NumPy, Seaborn, Scikit-learn, and Prophet.

LANGUAGES AND TECHNOLOGIES

- **Web development:** HTML, CSS, Jekyll, Markdown
- **Programming languages and data analysis tools:** Python (Pandas, Matplotlib, Scikit-learn, Seaborn, SciPy), R, SQL
- **AWS Services:** Amazon S3, Amazon CloudFront, AWS Lambda, Amazon Route 53, Amazon EC2, AWS Elastic Beanstalk
- **Version control and collaboration tools:** Git, GitHub, Microsoft Office (PowerPoint, Word, Excel, Outlook, Teams, OneNote)
- **Integrated development environments (IDEs):** Visual Studio Code, Vim, Atom, Notepad++

EMPLOYMENT

Data Science Intern	Data Glacier	December 2022 – Present
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- Performed Exploratory Data Analysis for investment suggestions with python libraries: Seaborn, Pandas, SciPy, and Prophet.
- Deployed a trained RandomForestClassifier ML model as a Flask web app on AWS Elastic Beanstalk using Python 3.8 running on 64bit Amazon Linux 2.
- Adept at stakeholder communication and data science-related tasks, and up to date on latest industry trends in data science.

Assistant Manager	Oasis Scientific Inc	Summer 2022 – Present
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- Automated repetitive tasks at Oasis Scientific with Python libraries (cv2, win32api, and win32gui), improving efficiency and reducing workload.
- Achieved record-breaking sales at the PRI2022 trade show.
- Took on multiple roles at workplace: Quality Assurance, Digital Marketing, Customer Service, Product Management, and Facility Maintenance.

EDUCATION

Greenville, SC	Bob Jones University	Fall 2018 – May 2022
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- B.S. in Physics, May 2022. In-major GPA: 3.94
- Undergraduate Coursework: Introduction to Quantum Mechanics I & II; Probability & Statistics I & II; Calculus III.