Evan W. Kozliner

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Work Experience

Attentive Mobile -- Data Engineering　　　　**Remote**

Software Engineer II　　Full Time　　　Sept. 2017 - Present
- Working on a new ETL pipeline for high-throughput mobile data that will be used for machine learning use cases.
- Leading effort to define an operations process and drive down incidents on the new data engineering team.

Amazon Web Services -- AWS Greengrass　　**Seattle, WA**

Software Engineer, Intern　　　Full Time　　　Sept. 2017- Sept. 2020 (3 years), Interned in 2015 and 2016 (6 months)
- Led a 20% infrastructure cost reduction effort, saving AWS Greengrass over 60,000$ on their monthly bill.
- Designed a new billing service for AWS Greengrass. Challenges stemmed from designing around double billing problems, fault tolerance, scaling to 1000+ TPS IoT traffic loads, and choosing appropriate infrastructure.
- Designed a hot migration strategy for AWS Greengrass's legacy billing system. Migration had to handle thousands of TPS, fault tolerance, and challenging security requirements with no down time.
- Delivered continuous integration, configuration, and deployment management software like deployment pipelines, continuous API testing with canaries and integration tests, and device end to end tests using Ruby, Javascript and Go. This enabled Greengrass to launch in 7 new regions, doubling the number of regions the product was present in.
- Influenced team culture by writing design and coding standards, training new team members in containerization technologies, PKI, and operations fundamentals.
- Built out major portions of the AWS Greengrass console using AngularJS and Spring MVC.
- Handled 24/7 on call duties. Regularly debugged service problems at all hours.
- Interned twice: once on the Amazon tax calculation team, and once on the Amazon Dash 3rd party ordering system. Built internal websites using Ruby on Rails and React.

The Ohio State University Bioinformatics Department　　　**Columbus, OH**

Research Assistant　　　Part Time　　　August 2016 - June 2017 (11 months)
- Created and trained convolutional neural network architectures using Tensorflow to research the effectiveness of various image processing pipelines on AUC or multi-class classification accuracy for melanoma image recognition.
- Built infrastructure, image processing pipelines, and automation for training, storing, and evaluating models on AWS.
- Wrote preprocessing tools for metadata and image data from melanoma lesions using numpy, pandas, and OpenCV.

Freelancer/Independent Contractor Columbus, OH and Remote

Web Developer　　　Part Time and Full Time　　　April 2014 - Nov. 2014 and Oct. 2015 - Feb. 2016 (1 year)
- Operated as a full stack web developer using Ruby on Rails on several freelancing projects.
- Developed core features such as a time tracker for habilitation technicians, and PDF generators for energy brokers.
- Handled design decisions like building database schemas and choosing tooling for different tasks.

Education

The Ohio State University　　　　　　　　　　　　　　　**Columbus, Ohio**

Bachelor of Science Computer Science and Engineering
Artificial Intelligence Specialization　　　　　　　　　　　　**GPA:** 3.5/ 4.0

Technical Skills

Languages: Python, Ruby, Java, Javascript, Typescript, SQL, HTML5 / CSS3
Libraries and Frameworks: Spring**,** Dagger, Ruby on Rails, React JS, Tensorflow, Sci-kit Learn, Pandas, jQuery
Cloud platforms: AWS, Heroku
Infrastructure/Databases: AWS Lambda, Kinesis, ECS/Fargate, DynamoDB, Jenkins, Docker, Snowflake, Postgres, Kubernetes

Personal Projects

Technical Blogging/Writing: Top writer in *Hackernoon*, also written in *The Startup* and *Towards Data Science,* covering topics like merkle trees, convolutional neural networks, cellular automata, AWS, and security compliance. Blog posts have hundreds of thousands of views.