

Michael Anderjaska

✉ michael@anderjaska.com | 🌐 andrewjeska | 🌐 manderjaska

Education

B.S. Computer Science, University of Maryland

August 2015 – May 2019

Banneker-Key Full Scholarship

Experience

Blend

San Francisco, CA

Software Engineer - Infrastructure

September 2019 – May 2020

- Maintained Kubernetes clusters supporting more than 150 engineers
- Added support for In-cluster TLS, resulting in reduced request latency across all deployed services and lower unnecessary traffic which cut down on AWS costs

Teaching Assistant

College Park, MD

Introduction to Computer Systems – CMSC216

August 2018 – December 2018

- Led biweekly discussion sections and office hours to reinforce lecture material

Blend

San Francisco, CA

Software Engineering Intern

June 2018 – August 2018

- Added hook to document feature deployment dates, enabling measurement of new business metrics
- Launched a microservice for automatic package updates, easing code maintenance and increasing security
- Used React to improve feature flag UI, allowing Product Managers to use tool directly
- Updated authorization service to allow customer support to issue API credentials, reducing engineer workload

Amazon Web Services

Seattle, WA

Software Engineering Intern – AWS ElastiCache

May 2017 – August 2017

- Implemented a feature to perform failover-based Redis cluster engine upgrade that takes a shard-by-shard approach, preventing customer downtime
- Led a design review with senior engineers to propose and discuss solutions for handling EC2 instance failure during engine upgrade
- Analyzed Redis cluster polling data for transient failures

Johns Hopkins University Applied Physics Lab

Laurel, MD

Software Engineering Intern

September 2014 – August 2016

- Analyzed characteristics of an airfoil's properties using MATLAB and an Arduino-based device
- Wrote a web application to catalog and display weather models used by the US Navy for testing radar systems
- Optimized data collection from proprietary radio receiver by implementing concurrent sensor processing

Projects

FelineFelicity – Express, React, Materialize

- Finalist (Top 8) out of 2000 participants at MHacks 8
- Created a visual search engine for shelter cats using GCloud Computer Vision to analyze image properties (i.e. cat breed, color, etc.)

HINT – Android, Flask, Tensorflow, Keras

- Developed a Google Glass app that generates suggested responses during conversation in order to assist people with Autism during social situations
- Used Tensorflow+Keras to create a model of a user's actual responses in order to make more accurate suggestions
- Model used one-hot over integer encoding and Project Gutenberg Texts

Skills

Languages: TypeScript, JavaScript, Go, Python, Haskell, C, MATLAB

Technologies: React, Node.js, Kubernetes, AWS