ANDREW COATES

Software Engineer

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EXPERIENCE

Software Engineer
Inmar Intelligence
Jun 2021 – Present

- ❖ Maintaining and supporting legacy systems while transitioning to Google Cloud Platform (GCP) using Terraform.

Research Assistant Intern
Bee Informed Partnership
May 2019 – Sep 2019

- ❖ Programmed in Django fixing bugs, integrating new features and data, and refactoring student code.

PROJECTS

Exploding Kittens RL
Jan 2021 – May 2021

- ❖ Used Reinforcement Learning to create an AI to play the Exploding Kittens board game with better than human performance.

Photomosaic Generator
July 2020 – Dec 2020

- ❖ Developing a Machine Learning based photomosaic generator that can create detailed mosaic at low resolution using image similarity search techniques.

SKILLS

C#	JavaScript	TensorFlow
GCP	SQL	SkLearn
Python	Linux	Docker
Java	Git	Scrum
C/C++	Unity	Agile
HTML/CSS	Django	OpenCV

EDUCATION

B.S. Computer Science | Minor: Japanese
Appalachian State University, Boone, NC
3.30 GPA | Fall 2017 – Spring 2021

- ❖ Computer Science Club Secretary 2018 – 2019. Coordinated catering for a Hack-a-thon with over 200 attendants.
- ❖ Japanese Culture Club member.

International Exchange | Okayama, Japan
Sep 2019 – Mar 2020

COURSES

❖ Computer Systems 1 & 2	❖ Databases
❖ Data Structures	❖ Software Engineering
❖ Linear Algebra	❖ Statistical Data Analysis
❖ Computer Vision	❖ Client-Side Programming
❖ Server-Side Programming	❖ Embedded Systems

SOFT SKILLS

Self-Management	Teamwork	Communication
Problem Analysis	Creativity	Friendliness

PERSONAL ACHIEVEMENTS

- ❖ Cycled over 350 miles in five days while bike-camping to, across, and from the Shimanami Kaido (world longest bridge system).
- ❖ Won the #MyOctocat design challenge at HackNC 2018.