

Skills and Technologies

Languages: Python, Java, Kotlin, Go, C, C++, SQL, Bash, HTML/CSS, LaTeX

Tools: Jupyter, Docker, Kubernetes, Git, SVN, Gradle, Bazel

Libraries: TensorFlow, Scikit-Learn, Numpy, Flask, Dagger, Mockito

Education

University of Central Florida

Bachelor of Science, Computer Science

Minor in Statistics

Fall 2015 - Spring 2019 (expected)

Current GPA: 3.9

Experience

Google — Software Engineer Intern, Tools and Infrastructure

Summer 2018

- Migrate test result dashboard tool *Testgrid*, written in **Go**, from **Google App Engine** Standard to **Kubernetes**-based serverless application framework *Knative* and deploy in a new, more scalable production environment.
- Document migration process and provide actionable feedback to relevant teams on how to improve developer experience and productivity with *Knative*-based Cloud products.

Google — Software Engineer Intern

Summer 2017

- Designed, trained, and documented machine learning model with **TensorFlow** to make useful inferences over Android Pay transaction data, increasing coverage over existing model by a margin of 20% while maintaining the same accuracy.
- Implemented serving infrastructure for model in **Java** and **TensorFlow Serving**. Launched model in production to support serving inferences to new transactions in real time.

UCF — Member, JV Programming Team

September 2016 - May 2017

- Attended weekly practices and regional competitions to improve problem solving skills and programming ability. Collaborated with team to implement efficient software solutions in **Java** and **Python** within a short time-frame. Tested solutions to ensure correctness.

DiSTI — Software Engineer Intern

October 2015 - September 2016

- Developed and maintained leading-edge virtual environment software written in **C++**. Tested software solutions and reviewed code written by team members to ensure consistent software quality. Created and improved automated tests using in-house tools, as well as custom **Python** scripts.

Projects

github.com/will-cromar

Movie and Show Tracker: Developed Android application written in **Kotlin** with **Dagger**, allowing users to browse and subscribe to upcoming movies and TV shows they're interested in. Designed and implemented RESTful backend written in **Python** with **Flask**, **PostgreSQL**, and **Redis**. Trained and deployed *affinity propagation*-based content recommender model using **Scikit-Learn**.

Sentiment Classifier: Developed a natural language sentiment classifier in **Python** using **sklearn**, capable of identifying positive or negative tone in financial news articles. Incorporated classifier into larger group project providing stock market news analysis, price prediction, and report generation.