Alastair Paragas

Software Engineer at Apple, Grad Student at Georgia Tech

Technical Skills

Programming Languages:

Javascript, Python, PHP, Haskell, Java, Scala, Rust, Swift, Groovy, C

Development Lifecycle:

Continuous Integration/Deployment, Testing,

Version Control (Git Flow convention), Docker, Databases (SQL & NoSQL),

"Big Data" (Distributed Filesystems, Spark, MapReduce, Kafka, Hive, etc)

Projects & Hackathon Events

devpost.com/alastairparagas

Won 12 out of 16 hackathons attended. Notable projects built: *Halcyon* - a web browser for the visually impaired, *Tidbit* - a Chrome extension that parsed any web content for summaries and categorized them into types, Ellery - predicting graduation GPA and recommending what CS courses to take next, *MetroBoom* - peer-to-peer music jukebox, *Soundstrike* - a web game combining real-life instruments and sheet music

Certifications

Data Manipulation at Scale: Systems and Algorithms: Coursera - #3W7K4AUF3SZ6

Wolfram Language/Mathematica: Wolfram - #CASE:3356469

Technical Experience

ICT3 (Mid-level) Full-Stack Software Engineer (Fall 2017 - Current) - Apple Inc

Primary engineering DRI for a report automation app used to generate and schedule Numbers/Excel/CSV-based reports and visualizations using SQL queries. Worked on an end-to-end ETL app that automated database/Spark SQL queries on Spark and HDFS access. Built multiple Apple-internal libs used by various Apple orgs and featured by the Apple Platform Infrastructure Team.

Summer Research Student (Summer 2017) - European Organization for Nuclear Research (CERN)

Built an anomaly detection and recommendation microservice for Zenodo - CERN's research paper repository using

graph algorithms, Scala, Stanford CoreNLP and Oracle PGX - an in-memory graph engine. Used Groovy and Apache

Zepellin notebooks for performance benchmarking and Python 3 for flat file creation with unique keyword determination.

NLP Research and Survey of DB Systems Learning Assistant (Fall 2016 - Summer 2017) - FIU SCIS

WordNet - TermMerge - github.com/termmerge

Formulated project assignments, graded and helped students learn about "big data" systems

Software Engineer Intern (Summer 2016) - Apple Inc

Software Engineer (Spring 2016) - FIU High-Performance Database Research Center

Summer Research Student (Summer 2015) - Wolfram Research - Visual block-based programming environment (Cublet)

Software Engineer/Student Assistant (Summer 2014-Spring 2016) - FIU Honors College

Education

MS in CS, Specialization in Machine Learning, GPA: 4.00 - Georgia Institute of Technology BS in CS (Major), Math & Math Sciences (2 Minors), GPA: 3.82 - Florida International University

Extra-Curricular

2015-2017 (2 Years) President - Association for Computing Machinery at FIU







