Thomas DuPlessis

thomas.p.duplessis@gmail.com · (516)-457-1174 · `dupes.dev` · `github.com/ThomasDuplessis`

SKILLS

Best Languages: C++, Python, Java, Go
Other Languages: Haskell, C, Python, shell, JavaScript, TypeScript, Kotlin
Technologies: MapReduce, Flume, SQL, Git, Linux, LaTeX

WORK EXPERIENCE

Software Engineer - L4, Google   June 2017-present

The Ordering app   Sep 2019-Present
the.ordering.app was a startup acquired by google. I was the first full time engineer to join to work full stack on new features on their legacy AWS stack as well as help migrate to google's infrastructure. My work included backend work to build out integrations with POS systems, two android apps: one for a POS platform and another as a standalone app, and a web frontend self serve onboarding flow for merchants.
My work helped grow our merchant base over 5x what it was when it was purchased. Worked in Python, Kotlin, Java, and Typescript.

Google Maps data infrastructure, Geo-Feeds   June 2017-Sep 2019,
developing distributed ETF data pipelines to process third party (and internal) data into google maps, APIs for clients to access processed data, and a fraemwork to customize the pipeline itself based on an SQL filtering language. Worked exclusively in C++

Software Engineering intern, Google   Summer 2016

Google Maps data infrastructure, Geo-Feeds. Created a new stats collection process that informed clients which of their data matched to what data in the production database.

Summer Technology Analyst, Citi   Summer 2015

Worked on team developing a front office platform using Java and Spring. I added JSON support to the backend trade processing system so that JSON encoded trade information can be sent through an API call. I also made a stress test program for our backend using Gatling and Scala.

Software Engineering Intern, Kongsberg ITS   Summer 2014

Worked on a digital radio system: doing socket programming in C++ as well as GUI development in C# for a military vehicle control system. I wrote testing software for the control system as well in C++ and C# that communicated over a CAN bus.

EDUCATION

Stony Brook University

MS Computer Science   **2017**
BS Computer Science, BS Applied Mathematics and Statistics   **2016**
GPA: 3.59 **Awards**: Dean's List, University Scholars program, Presidential Scholarship

OPEN SOURCE PROJECTS

r - rss reader for acme

An rss reader, written in Go for Acme, the Plan9 Text Editor

emacs-eclim   (CONTRIBUTER)

provides an interface for emacs to use Eclim, a backend code completion and project manager backend for text editors, using Eclipse. I added support for scala in the project