Paul Maxwell

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EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
  Master of Science in Computer Science; GPA: 4.00 *Aug 2021 – Present*

- **University of Michigan, College of Engineering** Ann Arbor, MI
  Bachelor of Science in Engineering in Computer Science, Minor in Mathematics *Aug 2014 – Apr 2018*
  Graduated cum laude, Dean's List (Dec 2017, Apr 2018); GPA: 3.375/4.0

EXPERIENCE

- **Ampla Technologies** New York, NY
  Data Engineer *Mar 2022 - Present*
  - **Tensorflow**: TensorFlow is an open source software library for numerical computation using data flow graphs; primarily used for training deep learning models. Worked on APIs and performance for training models on Tensor Processing Units (TPU).
  - **Apache Beam**: Apache Beam is a unified model for defining both batch and streaming data-parallel processing pipelines, as well as a set of language-specific SDKs for constructing pipelines and runners.

- **BlackRock** New York, NY
  Associate Software Engineer - Aladdin Product Group, New York, NY *Jan 2021 - Mar 2022*
  - **Notifications**: Hello Service for sending email, push and in-app notifications. Involved in features such as delivery time optimization, tracking, queuing and A/B testing. Built an internal app to run batch campaigns for marketing etc.
  - **Nostos**: Bulk data processing and injection service from Hadoop to Cassandra and provides a thin REST layer on top for serving offline computed data online.

  Analyst Software Engineer - Aladdin Product Group, New York, NYSep 2020 - Dec 2020

- **Workday** Pleasanton, CA
  Software Engineering Intern *Summer 2012*
  - **Portfolio Management**: Created models for portfolio hedging, portfolio optimization and price forecasting. Also creating a strategy backtesting engine used for simulating and backtesting strategies.
  - **QuantDesk**: Python backend for a web application used by hedge fund managers for portfolio management.

PROJECTS

- **QuantSoftware Toolkit**: Open source python library for financial data analysis and machine learning for finance.

PROGRAMMING SKILLS

- **Languages**: Python, Java, C++, C, Scala, R, Typescript **Technologies**: Docker, Kubernetes, Apache Airflow, GCS, BigQuery, DBT, Apache Spark, Angular, Postgres