

SIMON HUANG

4TH YEAR COMPUTER SCIENCE

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SKILLS

Experience Full stack web, Distributed systems, Product analysis, Experimentation

Tools Java, C/C++, PHP, Spark, Hive/Hadoop, AWS, SQL, Python, R, Django, Ruby on Rails, HTML/CSS, JS, Bash, Vim, Git

EXPERIENCE

Facebook

MENLO PARK, CA

DATA SCIENTIST, ANALYTICS (FB SEARCH)

MAY. 2017 - AUG. 2017

- Mined and communicated insights from Terabytes of engagement data which initiated 6 experiments with core metrics gains, inspired new ranking features/methods, guided a UI revamp launch, and influenced overall product vision for post searching (Hive/Presto, R)
- Analyzed and corrected 4+ tests with unexpected metric changes and created 3 tools for increasing analysis efficiency (SQL, Python)

Palantir

NEW YORK, NY

FORWARD DEPLOYED ENGINEER

SEPT. 2016 - DEC. 2016

- Built and managed sales data integration pipelines backing 5 client-facing tools for Palantir's largest commercial contract (Spark, Java)
- Wrote ad-hoc aggregators, more efficient partitions and broadcast joins to eliminate shuffles to reduce pipeline latency up to 90% and successfully pushed the team to adopt new efficiency practices (Spark)
- Consulted client to create sales dashboards used by over 20 client users to generate leads (JavaScript, PostgreSQL)

Social Capital (VC Firm - investor of Slack, Box, etc.)

PALO ALTO, CA

SOFTWARE ENGINEER (GROWTH AND DATA)

JAN. 2016 - APR. 2016

- Built and deployed an analytics web app for evaluating user/revenue growth (techniques: <http://bit.ly/1P60f6L>) (Django, PostgreSQL)
- Abstracted data infrastructure (AWS Redshift, S3, Lambda, etc.) to ingest more data sources used for investment decisions (Node.js)

Bloomberg

NEW YORK, NY

SOFTWARE ENGINEER (FIXED INCOME CALCULATIONS)

JAN. 2015 - APR. 2015

- Built a compiler to parse and convert functional Excel formulas to imperative programming logic (JavaScript)
- Implemented a bond modeling tool and discounting functions called billions of times every day (C++, JavaScript)

Paralucent

TORONTO, ON

WEB APPS DEVELOPER

MAY. 2014 - AUG. 2014

- Implemented a cloud file management web app (PHP, MySQL)
- Created a financial funds calculator for the Bank of Montreal (C#, SQL Server)

PROJECTS

Tactic Hive

4 MEMBER START UP

- Created a community building web app for Dota 2 gamers that hosted tournaments for 2000+ users (Ruby on Rails)

Chinese Vocabulary Builder

PYTHON APP

- Conducted language analytics to create a memorization app used to personally improve reading by 61% in 2 months (Python, MySQL)

EDUCATION

University of Waterloo

WATERLOO, ON

BACHELOR OF COMPUTER SCIENCE

SEPT. 2013 - APR. 2018 (EXPECTED)

- Cumulative Average: 87.4%, Dean's Honor List