

BORIS LIN

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SUMMARY OF SKILLS

- Expert in Python/Django/Tornado, C/C++, PHP/Hack, Ruby on Rails, jQuery, MySQL, MongoDB, Pascal, Git
- Proficient in Scala/Spark/Scalding, Java/Hadoop, React/Redux, Backbone, Docker, AWS, Ansible
- Experience in Lucene, TensorFlow, scikit-learn, Hive, HBase, Perl, Scheme

RESEARCH

Rephysical Interaction | Unity · C# · Vuforia January - April 2018

- Worked with **Prof. Daniel Vogel** and **Aakar Gupta** in HCI lab on rephysical interaction research
- Developed a rephysical photo album AR application to reuse physical media objects for digital content using AR
- Co-authored a research paper to be submitted to an academic conference in 2019

Warcbase | Spark · Stanford CoreNLP · Stanford Classifier January - April 2017

- Worked on **Political Science Text Classification** for the Warcbase project with **Prof. Jimmy Lin** using supervised machine learning, natural language processing and Spark
- Co-authored a **blog post** (goo.gl/yZJb2m) and a **JCDL 2017 research paper** (goo.gl/akZwHP)

WORK EXPERIENCE

Facebook September - December 2017

Software Engineer Intern · Ads Measurement Inputs Team Seattle, WA, USA

- Integrated Offline Conversion into the Facebook Ads Advanced Measurement (AMT) tool
- Developed metrics integrity and health validation pipeline for Apps, Offline Conversions and Custom Conversions in AMT

Pinterest May - August 2017

Software Engineer Intern · Search Quality Team San Francisco, CA, USA

- Built distributed data pipelines to generate training data and created the Visual Relevance search ranking model in TensorFlow
- Designed and implemented a user search log visualizer called *Hubble* from scratch using React/Redux and built back-end data pipelines using Scalding
- Worked on human evaluation pipeline for search experiments and added a web tool to launch human evaluation jobs

Wish - ContextLogic August - December 2016

Software Engineering Intern · Platform Team San Francisco, CA, USA

- Added major features such as Merchant Support and Report Product, impacting millions of products and merchants
- Built tools to detect fraudulent merchants and customers by analyzing purchase and refund history using Hive and Python

Samsung Research America January - April 2016

Software Engineering Intern · Advanced Processor Lab Team Mountain View, CA, USA

- Developed a web app to enhance Electric Commander (EC) with analytical and statistical charts using Symphony and React
- Implemented a real time EC job performance monitoring web application which is used by more than 100 employees daily

PROJECTS (GitHub:borislin)

Anserini (goo.gl/WZ492C) | Java · Lucene June - October 2018

- Contributed to open source project **Anserini**, a new information retrieval toolkit that aims to provide both efficiency and effectiveness, and better align information retrieval practice and research

WatNotify (watnotify.ca) | Ruby on Rails · Python · jQuery · PostgreSQL April 2016

- Course enrolment notification tool used by **more than 200** University of Waterloo students

EDUCATION

University of Waterloo September 2013 - April 2018

Bachelor of Computer Science, Honors, Co-op Program GPA: 3.7/4.0