# IAN MACALINAO

## SOFTWARE ENGINEER

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## 💼 WORK EXPERIENCE

**Google**                                            Summer 2016 (present)
Software Engineering Intern

**Uber**                                                        Spring 2016
Software Engineering Intern, UberEATS
- Implemented a per-restaurant maximum delivery radius, resulting in a ~7% estimated increase in gross bookings
- Helped develop a staging environment for EATS-specific services
- Increased stability of services as UberEATS grew from 1 to 15 cities by improving logging, performing load tests, and adding CI

**ResearchNow**                                                  Fall 2015
Software Engineering Intern
- Constructed a load testing framework in Scala using Gatling to generate dummy ad impession data for testing a MapReduce pipeline
- Developed an ETL pipeline to aggregate data from Hadoop HDFS using Apache Spark and Cloudera Impala, resulting in a ~5x speed improvement over the existing Pig/Hive/Oozie pipeline

**IFTTT**                                                      Summer 2015
Software Engineering Intern
- Reworked a reporting system to work on-demand using Amazon Redshift, resulting in a 1 hour decrease in total overnight ETL job duration
- Migrated push notifications to Amazon SNS, saving 98% in push-related costs. Involved live database migrations on millions of rows.
- Developed various web pages, including the OSS page (ifttt.github.io)

**AutoLotto**                                              April - August 2015
Full Stack Software Engineer
- Refactored a Node.js backend to use ES2016 via Babel
- Wrote a cron-like system to automatically purchase Powerball tickets using Node.js (Cheerio) and Stripe

**Bireosoft**                                          June 2011 - August 2014
Freelance Java Developer
- Created modifications for Minecraft servers with thousands of players using Bukkit
- Reverse engineered obfuscated Java via reflection and a decompiler
- Administrated CentOS and Debian servers

## 🎓 EDUCATION

University of Texas at Dallas
B.S, Computer Science (Honors)
3.8 GPA
Graduating May 2017

## ☰ SELECTED SKILLS

**Languages:** JavaScript, Ruby, Python, Go, Java, PHP, SQL, HTML/CSS

**Technologies:** Unix/Linux, Rails, Node. js, React/Redux, Angular, Hadoop, AWS

## 🔧 ACTIVITIES/PROJECTS

HackDFW
Founder and organizer of the first and largest student hackathon in Dallas.

Hackers UTD
Vice President. Organized events for UTD's largest hackathon-centric club.

CyanTranslate
Powerful system-wide text manipulation on CyanogenMod; modified the Android OS.

Colleged.net
College textbook price comparison website built on MEAN. Received 2000 unique visitors in January 2015.

New Liberty
Modded Java Minecraft server using reverse-engineered code. Peaked at 3500 unique monthly