IAN MACALINAO

SOFTWARE ENGINEER

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💼 WORK EXPERIENCE

IFTTT
Summer 2015

Software Engineer Intern
- Redesigned a reporting/ETL system to work on-demand using Amazon Redshift
- 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 open source page (ifttt.github.io)

AutoLotto
Jan - Aug 2015

Full Stack Developer
- Refactored a Node.js backend to use ES7 via Babel, resulting in a 33% decrease in database load (MongoDB) and 40% decrease in average response time
- Wrote a cron-like system to run periodic jobs related to lottery tickets and purchases (through Stripe)

Oakwood Software
Summer 2014

Web Developer Intern
- Designed an Ajax file upload system using jQuery and PHP, decreasing average time spent uploading by 70%

Bireosoft
June 2011 - August 2014

Freelance Java Developer
- Created scalable 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
BS, Computer Science (Honors)

Graduating May 2017
3.8 GPA

Relevant Coursework: Data Structures, Algorithm Design, Computer Architecture, Discrete Math I/II, Databases, UNIX

☰ SKILLS

Java, JavaScript, Ruby, Python, HTML/CSS, SQL, Go, Node.JS, Rails, AWS

🚹 ACTIVITIES

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.

🔧 PERSONAL PROJECTS

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 monthly players.

Preston
Open-source Node.js framework to automatically generate RESTful routes for Mongoose models.