Ian Macalinao

Full Stack Developer

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Work Experience

IFTTT
Summer 2015

Software Engineer (Intern)
- Redesigned a reporting system to work with a Redshift ETL pipeline, allowing robust timescales and more flexibility
- Worked with multiple engineering teams using a variety of platforms such as Rails, Go, Scala, and Node
- Migrated push notifications to Amazon SNS, saving 98% in push-related costs. Involved large database migrations.

AutoLotto
Spring 2014

Full Stack Developer
- Refactored a Node.js backend in ES6, resulting in a 33% decrease in database load and 40% decrease in average connection time
- Used ES6, Rails (for other services), and MongoDB

Oakwood Software
Summer 2014

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

Education

University of Texas at Dallas   May 2017
BS, Computer Science (Honors)   3.8 GPA

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

Skills

Languages: Java, Javascript, Ruby, Python, HTML/CSS, SQL, Go

Other: Linux, OSX, Node.js, Rails, Frontend Web, AWS, Git

Personal Projects

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

CyanTranslate
Powerful System-wide Text Manipulation on CyanogenMod; modified an AOSP fork. Won a TreeHacks prize.

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 players.

Activities

HACKDFW
Founded and organized the first and largest student hackathon in Dallas.

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

TAMS Computer Science Organization
Advisor and ex-President. Managed club events.

Hackathons
I love building cool things on weekends. I have been to over 20 collegiate hackathons since 2014.