

Ian Macalinao

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TECHNICAL SKILLS (in order of proficiency)

- Java, JavaScript, HTML/CSS, PHP, Python, Ruby
- Node.js, AngularJS, Bootstrap, Gradle, jQuery, *nix, Maven, Git, Vim, MySQL, MongoDB, L^AT_EX, Redis

EXPERIENCE

Undergraduate Researcher, UT Dallas Pain Neurobiology Research Group October 2014 – Present

- Developing statistical analysis tools for mice/human genomes using NumPy, SciPy etc.
- Using Cheerio and BeautifulSoup to scrape data from gene databases

Software Developer Intern, Oakwood Software June – November 2014

- Developed an AJAX file upload system using jQuery and PHP, replacing a 10-year-old legacy system

Bukkit Developer, Bireosoft June 2011 – September 2014

- Created scalable modifications for Minecraft servers with thousands of players
- Reverse engineered obfuscated Java via reflection and a decompiler, enabling previously impossible game features

Webmaster, M & R Consulting Services, Inc. 2006 – 2012

- Created a denial management workflow system to handle sourced appeals for denied cases
- Used PHP, MySQL, and HTML/CSS

PROJECTS

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

HotTrade – Tinder for stocks: build a portfolio by selecting stocks and track portfolio performance; won Bloomberg prize at HackPrinceton

Kerve – Exercise tracker using Kinect/AngularJS to determine body position and count reps; won Kinect/Mashery prizes at HackSC

Backtesting.me – Java application to test a stock's historical performance; won Bloomberg prize at HackTX

Bordering.me – Holographic display of conflict in the world built using WebGL; won Google prize at HackMIT

Syncsp.in – Realtime social jukebox application built on the Beats Music API using MEAN/Socket.io; won Mashery API prize at HackGT

Stockular – Chrome extension to view extended stock information when hovering over a ticker symbol on a webpage; won Bloomberg/Mashery prizes at MHacks

TripBlaze – Interactive trip planning web application using MEAN; won grand prize at Sabre Dev Studio Hackathon

EDUCATION

Bachelor of Science, Computer Science
University of Texas at Dallas, 2014 – 2016 (*expected*)
2014 National Merit Scholar

ACTIVITIES

- 2014 – Present – **Various hackathons**, including PennApps X, MHacks IV, HackGT, and HackMIT
- 2014 – Present – **Co-director** of HackDFW, DFW's first collegiate hackathon
- 2014 – Present – **Vice President** of UTD Hackers
- 2012 – 2014 – **Member/President** of TAMS Computer Science Organization