

Joe Torraca

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EDUCATION

Georgia Institute of Technology

May 2019

- Pursuing a Bachelor of Science in Computer Science

South Side High School

June 2015

- GPA 4.0 / 4.0
 - IB Diploma recipient, Member of National Honor Society & Spanish / Math Honor Societies
 - Recipient of the Xerox Award for Information Technology by the University of Rochester
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SKILLS

Programming: JavaScript, Node.js, Express.io, socket.io, React, React Native, HTML, CSS/SCSS/LESS, PHP, Laravel, Python, Git, SQL, D3.js, Clojure

Cloud Providers: Amazon Web Services, Google Cloud Platform, Heroku

EXPERIENCE

Lead Residential Technical Advisor (Apps) — GaTech Wreck Techs

August 2016 - Present

- Worked with enterprise networks and services to create internal applications
- Developed *PHP* application for tracking unauthorized (“rogue”) wireless networks on GaTech’s network
- Decreased multiple API calls by over 700ms by implementing a live-updating Redis cache
- Implemented DataDog/NewRelic logging across all systems for proper monitoring and alerting

Software Engineering Intern — CareerBuilder

May 2017 - August 2017

- Worked collaboratively with Google engineers to build out CareerBuilder’s side of *Google for Jobs*
- Converted experimental *Ruby* applications to production-ready *Node.js* stacks
- Replaced legacy API with cloud-based *Node.js* solution, reducing response times by an average of 350ms
- Refactored application receiving around 35,000 requests-per-minute to remove long-standing bugs
- Rewrote Clojure-powered Graph Based Recommendation API engine with a *Node.js* application
- Managed numerous application stacks in AWS to ensure uptime and high-availability
- Lowered CareerBuilder’s DataDog bill by over \$8,000/year
- Winner of the “*Intern of Steel*” award for outstanding performance and significant team contributions

Software Engineering Intern — CareerBuilder

May 2016 - August 2016

- Implemented Redis caching for internal APIs leading to lowered response times up to 100ms
 - Refactored numerous codebases to be more performant and reduce errors
 - Rewrote unit tests for multiple applications to achieve 100% code and branch coverage
 - Developed an internal *Node.js* SDK for interfacing with the team’s APIs
 - Worked heavily with AWS for managing services and manipulating big data efficiently
 - First intern to ever receive the Site-Technology hug-fest award for outstanding performance
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PROJECTS

JARVIS Home Automation System

February 2012 - Present

- Developed *Node.js* natural language query processor
- Integrated Wit.AI Natural Language Processor for text analyzation and conceptual understanding
- Created web-based portal to access manage systems backing JARVIS and override devices
- Created Text-To-Speech engine built on top of IBM Watson’s Text-To-Speech engine integrated with a Crestron Media Control System
- Hooked into the Google application on iOS to utilize Google’s Speech-To-Text engine for communication
- Integration with numerous proprietary APIs to control various devices and information sets

Shush.it

May 2015 - August 2015

- Worked on OAuth-based login flow utilizing Twitter’s login API
 - Created the front-end UI design and wrote server-side rendering using *Handlebars* templating engine
 - Created *MySQL* database schema using *Knex & Bookshelf ORM*
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LEADERSHIP

IT Committee Head — Pi Kappa Phi Fraternity

January 2016 - Present

- Developed numerous internal *Node.js* applications such as a lateplate request system and online test-bank storage system

Founder & President — iDevelop Apps Club

September 2011 - May 2015

- Founded the first and only programming club in my school to teach students basic programming
- Successfully mentored over 30 students and teachers on building dynamic websites