

# Giang (Zen) Nguyen

[github.com/giang12/](https://github.com/giang12/) • [linkedin.com/in/giangnguyen12](https://www.linkedin.com/in/giangnguyen12) • (703) 477-3680 • [nggiang12@gmail.com](mailto:nggiang12@gmail.com) • San Francisco, CA

## Experience

### **Moody's Analytics Inc.** San Francisco, CA | <https://api.sfportal.com/>

*Asst Dir- Senior Software Engineer*

Mar 2019 - Present

*Software Engineer*

Aug 2017 – Feb 2019

- Lead the effort of re-implementing and monetizing our API as a product.
- Lead the effort of transforming a monolithic application into a more nimble, services-based application to support a growing number of engineers and clients.
- Research and conduct proof-of-concept experiments of the latest technology, tools such as Kafka, Prometheus, Jaeger
- Collaborate with BA, QA and DevOps to debug, profile, and fix functional / performance / security issues across services in different environments at multiple levels of the stack.
- Code to support a wide area of functions, from create/enhance/maintain end to end features and services to configure system logging, tracing and monitoring, data feeds and reporting interfaces, then of course tests, tests, tests.
- Conduct interviews, manage summer interns, and help new hires get up to speed and running.

### **Moody's Analytics Inc.** San Francisco, CA | <https://www.sfportal.com/>

*Software Engineer Intern / Contractor*

May 2014-Aug 2016

- Implemented backend Node services: authentication, API, error handling, logging, caching, and analytics.
- Implemented core functionalities such as dynamic routing scheme, token base authorization, manager / lazy loader for Angular modules, testing environment with Karma and Protractor
- Implemented API client library for both REST and SOCKET endpoints under 1 uniformed interface, including implicit cache, automatic dependencies injection, and other tricks to increase performance
- Collaborated with DevOps to setup, test, and deploy Redis cluster for user management and caching
- Root cause analysis for bugs in the ecosystem, became bugs hunting ninja

### **Carney, Inc.** Alexandria, VA | <http://www.teamcarney.com/>

*Software Engineering Intern*

Jun 2012 - Aug 2013

- Researched, refined, implemented, and trained NPL algorithms
- Worked on Sentiment Analysis and Hierarchical Phrase Alignment tools using Stanford's coreNLP, corpora and Treebank
- Maintained and incorporated new functionalities to code base for a Conversational Agent
- Developed a Facebook application demo using in-house built Conversational Agent

## Education

### **University of Wisconsin, Madison. School of Engineering** May 2017

- B.S in Computer Science and Electrical Engineering | GPA: 3.376, Dean's List 2013, 2014
- Posse Foundation Leadership Scholarship

## Other skills

- Working familiarity with JavaScript / TypeScript, C++ / C#, Python, Java, MATLAB, Angular / Node, Go, Verilog, miscellaneous maintenance tasks with Shell and Groovy scripts
- Provision and operate containers cluster such as Docker Swarm and Kubernetes on bare metals and AWS

