

Noah Eisen

ncteisen@gmail.com | (216) 870 - 2292

EDUCATION

BACHELOR OF ARTS

MAJOR, COMPUTER SCIENCE

MINOR, MATHEMATICS

University of Michigan

May 2016

Ann Arbor, MI

Major GPA: 3.96

Cum. GPA: 3.87

LINKS

GitHub:

github.com/ncteisen

LinkedIn:

linkedin.com/in/ncteisen

Personal Website:

noaheisen.com

COURSEWORK

- Game Design
- Databases
- Operating Systems
- Web Databases
- Advanced Programming
- Computer Organization
- Linear Algebra

SKILLS

PROGRAMMING

Principal Languages

C++ • C • Python

Other Languages

Android • Java • SQL

Javascript • HTML • CSS

Dart • Bash Scripts

Tools

Git • Mercurial • \LaTeX

OTHER

Running • Biking • Climbing
 Juggling • Magic • Origami
 Skiing • Creative Writing
 Chess • Mountaineering

WORK EXPERIENCE

WAYMO | SENIOR SOFTWARE ENGINEER

Feb 2018 – Present | San Francisco, CA

Waymo is an Alphabet company focusing on the development of self-driving technology. I work on the Fleet Infrastructure team where I am the tech lead for the OpsApp, an internal Android app that is used by 1000+ safety drivers daily. Some highlights include:

- Tech lead of 7 person team, including 3 engineers, a product manager, a product operations specialist, a technical program manager, and a UX designer.
- Optimized datapath from the self driving car to the phone to achieve sub-300ms latency in support of streaming real-time telemetries to the safety driver.
- Designed the tooling that enables roadside assistance team to navigate to a self driving car on public roads within minutes of an incident. Authored a patent on the subject [not yet public].

GOOGLE | SOFTWARE ENGINEER

Aug 2016 – Feb 2018 | San Francisco, CA

gRPC is Google's next generation RPC system, build from the ground up in open source. gRPC is a highly performant system build around a simple yet powerful wire protocol. The library provides idiomatic APIs in nine supported languages. Through **250+ pull request**, and even more internal changes, I have contributed mainly to gRPC's C core. I have also made significant contributions to the C++ and Python wrapped layers. Some highlights include:

- Created the team's internal benchmarking framework, automatic regression detection system, and performance dashboards.
- Migrated TensorFlow's distributed runtime to use gRPC internally at Google.
- Implemented connection-level monitoring feature for the C++ stack, which exports critical debugging data of live services and presents them in a simple HTML page.
- Created and delivered 40 minute tech talk at KubeCon called *gRPC Performance; Tuning Applications and Libraries* ([link](#))

BLOOMBERG L.P. | SOFTWARE ENGINEERING INTERN

May 2015 – Aug 2015 | New York, NY

- Created full-stack tool for Bloomberg developers to aid in the task of debugging and killing haywire processes on production machines.
- Won first place in algorithmic coding competition among all of the interns.

JUMP TRADING LLC | QUALITY ASSURANCE INTERN

June 2014 – Aug 2014 | Chicago, IL

- Developed an automated Python testing wrapper to validate company software responsible for sending orders to the BATS exchange.
- Planned and executed comprehensive set of manual tests on a program providing a live market feed from the exchange.

PERSONAL PROJECTS

The Hypertext Library - Public website that treats the texts of books as hypertext; every word on a page is a link to every other occurrence of that word in the novel.

Visual Media Insights - Python based tool that scrapes movie and show data from various sources and renders informative graphs of ratings.