

Goki Gnanendran

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goki.me

github.com/gqln

EDUCATION

Expected May 2021 **Pennsylvania State University**

B.S. Computer Science

Minors in Mathematics and Physics

Schreyer Honors College

GPA: 3.99/4.00

EXPERIENCE

Aug – Dec 2019 **Pennsylvania State University EECS**

Teaching Assistant

University Park, PA

Swift Facilitated CMPSC 475: iOS Development. Held office hours to assist students with
SwiftUI debugging and application design. Graded weekly assignments. Prepared and
bash presented lectures on topics of my interest: SwiftUI and Combine framework.
git

Jun – Aug 2019 **Appian Corporation**

Software Engineering Intern

Tysons, VA

Go, Python Developed unified monitoring solution for Appian microservices. Refactored site
Kubernetes discoverability to reduce query times 1000x. Automated testing and deployment of
Prometheus metric collectors. Planned design and proof-of-concept for HA global metric system.
Thanos

Previously *Visiting Intern* at **Shenzhen Dexinhai Technology Co. Ltd.** (2019)

Research Assistant at **PSU Mobile Computing and Networking Lab** (2018)

Student at **42** (2018)

PROJECTS

Aug 2019 – Present **Penn State Advanced Vehicle Team Autonomy**

C, bash, Python Designed and built base computer system for multi-year autonomous vehicle
linuxcan, redis development. Uses commodity hardware, open source protocols, and a translation
layer to enable flexibility and expandability.

Oct 2018 – April 2019 **Visualizing Consensus**

React.js Developed [an interactive network simulation](#) to visualize the double spend
d3.js problem and [an explorable blog post](#) to explain the motivations behind
decentralizing payment networks. Initiated at ETHSanFrancisco and ETHDenver.

Feb – March 2017 **glanceable.me**

Node.js Designed a service which generates a mobile lock screen wallpaper displaying a
AWS *glanceable* class schedule. Accessible from LionPATH mobile in just two clicks and
used by 100+ Penn State students.

COURSEWORK, SKILLS, & INTERESTS

Verilog Linux Arduino Sketch Computer Networking Stochastic Modeling
FPGA Programming Machine Learning Distributed Systems Comm. Systems
Computer Architecture Explorable Explanations Data Structures & Algorithms