

# Kenneth Harlley

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kdharlley.github.io

(607) 379-4445

## EDUCATION

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**Cornell University**, College of Engineering, Ithaca, NY

**May 2021**

Bachelor of Science, Computer Science

**Awards: Summa Cum Laude, Tau Beta Pi Invitation Junior & Senior Year**

## ENGINEERING EXPERIENCE

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**Google**, San Francisco, CA, *Software Engineer*

**July 2021 - Present**

- Spearheaded the launch and implementation of Wi-Fi calling for hundreds of thousands of iPhone users on a Google-managed carrier.
- Formulated a half-hourly pipeline which parses, annotates, prices and scrutinizes all cellular data usage for a class of Google devices.
- Processed data from a code-analysis system, used by Google Maps, YouTube and numerous other Google services, to surface relevant findings and link them to other systems.
- Organized onsite and offsite team events sufficiently under-budget with numerous positive reviews from colleagues.
- Assessed behaviorally and technically over 15 software engineering applicants.

**Freelance Full Stack Website Developer**

**Jan. 2017 - Present**

- Developed numerous web applications including an ePortfolio site, a local maintenance portal, portions of Cornell's Language Expansion Program's website, Blossom Academy's corporate site, QuickLinks' web application and a music catalogue.
- Incorporated functions consisted of assignment of security levels and privileges; creation, deletion and modification of database entries; automation of emails; modifiable webpages and initiation and termination of sessions.

**Cornell University Sustainable Design**, Cornell University, Ithaca, NY, *Member*

**Feb. 2018 - Dec. 2018**

- Engineered, using various tracking technologies and machine learning, high-efficiency HVAC (heating, ventilation and air conditioning) sensors to save Cornell 52,261kWh of energy per year in a team of 10.
- Collaborated with 9 peers to design and produce a \$6,000 solar trailer which provides on-the-go sustainable energy, enabling Cornell Grounds to become carbon neutral.

## SPECIALIZED SKILLS

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**Programming Languages** (Python, Java, SQL, Golang, Kotlin, HTML, CSS, C++, Typescript);

**Frameworks** (MapReduce, Soy, Guice, React);

## VOLUNTEERING EXPERIENCE

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**Blossom Academy**, Kumasi, Ghana, *Web Development Lead*

**May 2018 - Jan. 2020**

- Cooperated with 4 other leads to run first-ever solely West-African Data Science Accelerator with connections to IBM to help reduce unemployed population of 1.21 million in Ghana.
- Managed and generated company website with over 2300 users and 8700 pageviews.

**Lead for Ghana**, Teach for All, Accra, Ghana, *Intern*

**May 2018 - July 2018**

- Aggregated close to 100 survey responses with a self-formulated Python script, using Pandas, which will impact 1,327 Ghanaian students.
- Debugged and increased mobile responsiveness of Lead for Ghana site with over 2,000 users and over \$20,000 dollars in donations by addressing site scalability, broken links and obsolete pages.