

# Natasha Blong

I am passionate about enhancing the world we live in through the use of data-driven solutions and the development of revolutionary technology. I bring a well-rounded perspective to any Software Engineering Team by leaning on my experience in both Software and Test Development.

## EXPERIENCE

### **Gigcasters** — *Full Stack Software Engineer*

February 2020 - Present

- Full-Stack development of customer interface for managing streaming devices and event scheduling (React and SQL)
- Created Kubernetes cluster to remotely deploy Docker containers to streaming devices
- Refactored outdated legacy code, to reduce stream-downtime and document HLS stream health.

### **Benchmark** — *Software Development Engineer in Test*

March 2019 - November 2020

- Development of software solutions for QSR medical products including TestStand/LabView and Python
- Created a contactless Covid screening solution, reducing team member exposure and increasing management availability by 13%
- Programmatic calibration and electrical validation of newly developed automated blood pressure monitoring system
- Collaboration with customer on test capabilities and product improvement
- Adapted to an aggressive validation schedule to meet an increased testing demand, due to the pandemic
- Electrical schematic design of tester PCB's, using OrCAD

### **Benchmark** — *Manufacturing Technician*

May 2017 - March 2019

- Maintained machine hardware and software by updating the programs and profiles for equipment building ITAR and QSR regulated products
- Evaluation and correction of process documentation to improve Agile workflow
- Product Lifecycle Management

## EDUCATION

### **Winona State University** — *Bachelor of Science in Computer Science*

June 2015 - December 2018

- Officer - ACM Women in Computer Science Chapter
- Minor - Political Science

Austin, TX

[natashablong@gmail.com](mailto:natashablong@gmail.com)  
[linkedin.com/in/natasha-blong](https://www.linkedin.com/in/natasha-blong)  
[natashablong.github.io/](https://github.com/natashablong)

## LANGUAGES & TOOLS

JavaScript

React

Python

PostgreSQL / MSSQL

Java

## PROJECTS AND INTERNATIONAL CONTRIBUTIONS

### **Flex Fuel Analyzer** -

Built an Arduino Nano to develop a FlexFuel Ethanol Content Analyzer that converts a Hz input to an analog voltage output.

### **Mission Trip (Bogotá)** -

Donated time with Children's Vision International repairing buildings and serving students' needs.

### **Japan Ambassador** -

Raised \$10,000 to aid the repair of Misato Japan after the 2011 earthquake. Hosted four students and traveled to Japan, representing the United States in a sister city partnership between Winona, MN and Misato, Saitama.