

NANA ABEKAH

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EXPERIENCE

BEAP Lab, St. John's — *Web Developer*

September 2019 - PRESENT

- I automated updates to GitHub page through repository commits
- I updated BEAP lab's website with new team information and new research papers.
- I created a website with MarkDown using Academic Themes

Eastern Edge Robotics, St. John's — *Software Engineer*

September 2018 - present

- I built a control module to efficiently send thruster values from a maestro board.
- I built PID algorithms that autonomously stabilized the ROV, and also controls the depth of the ROV underwater to assist the pilot when making difficult maneuvers.
- I built a control API that merges user and autonomous control into one system allowing for a better piloting experience

BEAP Lab, St. John's — *Full-Stack Software Engineer*

January 2019 - September 2019

- I built web and mobile applications to query data from Health kit, Fitbit, Garmin, and Polar devices for data processing.
- I worked on project documentation for server and mobile interfaces to improve project management.
- I prototyped different cross-platform frameworks including React Native, Flutter, and Ionic to determine it's efficiency in retrieving a user's fitness data.

EDUCATION

Memorial University of Newfoundland, St. John's — *Honours Bachelor of Science in Computer Science*

September 2018 - July 2022

Castlebrooke Secondary School, Brampton, ON — *Ontario Secondary School Diploma*

September 2014 - June 2018

PROFESSIONAL PROJECTS

Beacon Intelligence — *Tracking web application*

January 2019 - March 2019

Beacon Intelligence is a startup in St. John's, NL that specializes in asset management for big companies such as construction and oil companies. I built a web application on a Vue JS framework that provides real time location of assets owned by customer companies.

SKILLS

JavaScript, TypeScript, Java, Python, C, C++

HTML, CSS, Vue JS, React JS, React Native, Redux, APIs, JSON, XML

Git, Firebase, Heroku, MongoDB, PostgreSQL

AWARDS

2nd @ HackingMP Nov 2019 - Mount Pearl, NL, Canada

Dragon's Merit June 2018 - Castlebrooke High School

Ontario Scholar June 2018 - Peel District School Board

Ontario Provincial Champions Feb 2018 - Vex Robotics

LANGUAGES

English - proficient in reading, writing, speaking

German - intermediate in reading, writing, speaking

Twi (Ghanaian Language) - proficient in reading, writing, speaking