NANA ABEKAH

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PROFESSIONAL SUMMARY

Effective problem-solver with advanced programming skills and a hardworking mentality. Seeking to apply expertise and extensive experience in software engineering to take on a challenging new role with a growing team.

SKILLS

Proficient in:
- HTML, CSS, Javascript {Vue Js, Node JS, EJS, Express, Mongodb}
- Python
- C/C++
- Java
- Ruby
- XML

PROJECTS || EXTRA-CURRICULAR ACTIVITIES

Eastern Edge Robotics – Programming Sub-team [2018 -]: Eastern Edge robotics is a university club that competes in the MATE ROV competition. I am a member of the software team sub-team at EER.
- I built an auto depth algorithm for the ROV using Python while parsing Serial values from an Arduino
- Built a control system for thrusters using a maestro board

Vex Robotics Team 356 – Programming Sub-team [2014-2018]:
- I wrote user control and autonomous code in c/c++ for competition robots.
- I have experience in control algorithms such as PID.

Yelp Camp [2018]:
- I built a Node JS application.
- Uses Express JS, Mongo, Mongoose, Passport Auth, Serialize for backend
- Used Bootstrap, Google Fonts, Font Awesome, EJS for frontend
- I learned to deploy apps and databases on Heroku.

Arduino Smart Switch [2018]:
- I created a smart switch that listens for sound commands and performs a pre determined action.
- Wrote algorithm using C++
- Gained experience using input and output devices.

Online Portfolio [2018]:
- Built a website with HTML5, CSS3
- Used Bootstrap, Font Awesome

- Learned to deploy on Github

Android Image Recognition [2016]:
- I built a text image recognition app while learning how to create android applications.
- Familiarized myself with Android Studio
- Gained experience building application with Java.

WORK HISTORY

Full Stack Developer | BEAP Lab - St. John's, Newfoundland   *01/2019 - Current*
- Provided continued maintenance and development of bug fixes and patch sets for existing applications.
- Collaborated with team members to create applications system analysis based upon requirements.
- Implemented designs, including experimentation and multiple iterations.

Computing Support Assistant | Memorial University Of Newfoundland - St. John's, NL
- Provide assistance and support to students, faculty and guests using *01/2019 - Current* the QEII library.
- Create/Edit videos for use at the library
-Documented all customer inquiries and comments thoroughly and quickly.

Robotics Instructor | Toronto Athletic Camps (TAC Sports) - Toronto, ON
-I created robotics lesson plans for kids   *06/2018 - 08/2018*
-Coached kids on how to approach designing robots for challenges
-I also taught kids how to program EV3 robots.

March Break - Robotics Instructor | Creative Kidz - Brampton, ON
- Created a robotics lesson plan for kids   *03/2018 - 03/2018*
- I taught kids how robotic components work, and how to program robots.
- I also guided them to follow instructions and build robots.

Computer Technician - High School Co-op | Computer Window Inc - Brampton, ON
- Built computers and did a lot of software updates on electronic   *06/2017 - 08/2017*
devices the company received from the clients.
- Answered calls at the company's help desk, assisting employees and customers with troubleshooting computer issues.
- Used diagnostic tools to identify hardware failures and replace components that were not functioning.
- Linked computers to the network and to peripheral equipment, including printers and scanners.

EDUCATION

Memorial University Of Newfoundland - St. John's, NL   *2022*
Bachelor of Science: Computer Science

Castlebrooke High School - Brampton, ON   *2018*
High School Diploma