572 Carina Crescent, Ottawa 613-315-8987

ON K2J OZ5 **Bruck Wubete** [github.com/bruckwubete](https://github.com/bruckwubete)

<https://bruckwubete.github.io/> [bruckwendwessenwubet@cmail.carleton.ca](mailto:bruckwendwessenwubet@cmail.carleton.ca)

EDUCATION:

**M.A.SC** Carleton University, **09/2020 – Present**

Electrical and Computer Engineering with Specialization in Data Science.  
**Coursework:** Probabilistic Models, Intelligent Agents, Data Science, Distributed Database Systems, OLAP, OLTP

**BEng.** Computer Systems Engineering, Co-op Option **09/2014 – 04/2019** Carleton University, Ottawa, Ontario   
**Coursework:** Algorithms, Data Structures, Operation Systems, Design Patterns, OO and Functional programming, Web Apps, Security, Networking, Embedded Systems, IoT, Computer Architecture

* Fourth Year, CGPA: 3.8
* Deans’ List 2015, 2016, 2017, 2018 and 2019
* Available to start: Summer, 2021

**WORK EXPERIENCE:**

**Software Engineer II Ciena Ottawa, ON 07/2019 - Present**

* Contributing to software development of Ciena’s new Blue Planet Enterprise Project following functional programming paradigms
* Working with reactive software solutions like Akka and Faust to develop large scale, distributed, robust applications that are designed to configure, monitor and service networks that contain hundreds of thousands network elements
* Learning how to work with various SaaS services (EKS, RDS, S3, EC2, Lambda Functions) provided by Amazon Web Services and how to make best use of them in the project lifecycle

**Software Developer Blindside Networks Ottawa, ON 04/2018 - 04/2019**

* Distributed and scaled [Greenlight](https://github.com/bigbluebutton/greenlight) leading to increased availability as measured by 50% better response rate by containerizing and deploying it on a multi-node kubernetes cluster on Google Kubernetes Engine (GKE).
* Implemented a multi-provider authentication layer for [Greenlight](https://github.com/bigbluebutton/greenlight), from scratch, by using Doorkeeper, Devise, SAML, Oauth2 and other ruby gems enabling the company to provide a hosted version to its customers.
* Automated CI/CD [Greenlight](https://github.com/bigbluebutton/greenlight) and other projects resulting in smoother development cycles and about 50% faster release cycles by incorporating Jenkins CI in GKE and integrating it with Slack.
* Leveraged Knowledge in: GCP, GKE, Kubernetes, Ruby, Ruby on Rails, HTML5, JavaScript, CSS, Jenkins

**Software Developer Ciena Ottawa, ON 09/2017 - 04/2018**

* Collaborated on the design and implementation of a new dashboard for [NHP](https://www.ciena.com/blueplanet/products/blue-planet-analytics/) consequently landing the first customer contract by leveraging the Ciena’s Frost design principles and Ember.js best practices.
* Built WebSocket publisher modules on [NHP](https://www.ciena.com/blueplanet/products/blue-planet-analytics/) and [BPA](https://www.ciena.com/blueplanet/products/blue-planet-analytics/) backend servers to remove polling for server updates saving 12 requests every minute by using Apache Kafka and WebSocket libraries for Python, Scala and Ember.js
* Added an in-memory Kafka to BPA test suite resulting in more reliable test results and a more robust solution.
* Leveraged/Gained Knowledge in: Python, Scala, Ember.js, Apache Kafka, HDFS, DRILL, HADOOP, Livy

**Other Roles:**

**Software Developer Amdocs Inc. Ottawa, ON 05/2016 - 09/2016**

**Skills**

**Languages**: (**Proficient**): Scala, Java, Python, HTML/CSS/JavaScript (**Familiar**): C++, C, TypeScript, Ruby

**Frameworks**: (**Fronted**) Angular, Vue, Ember (**Backend**) Play, Ruby on Rails, Flask   
 (**Data**) Spark, Nifi, Kafka, Akka, ElasticSearch, Camunda (**Platforms**): AWS, Google Cloud