

|| Academic Experience | Cornell University

BA Computer Science – May 2022

GPA: 4.0 – Dean's List – All Semesters Awarded

|| Technical Skills and Abilities

<u>Advanced</u>	<u>Intermediate</u>	<u>Novice</u>
Vue.js	Kubernetes	AWS
Python	Docker	UX Design
Apache Airflow	Jenkins	Figma Prototyping
ETL Pipelines	React.js	Java
Algorithm Design and Analysis	Node.js	PHP (Laravel)
SQL	RESTful API Design	Android Studio
NoSQL	Functional Programming (OCaml)	

|| Work and Community Experience

Full-Stack Software Engineer (Formerly Co-op/Intern) – IBM – Armonk, NY *remote (Summer 2021-Present)

- Backend Work in Enterprise Performance Management
 - Dockerize microservices and manage builds and deployments with Jenkins
 - Write for Python backend used to transform data in IBM's internal ETL data pipeline
 - Use Kubernetes to maintain and assess statuses of microservices for data pipeline
 - Control and monitor platform performance hosted on IBM Cloud
- Frontend Work in Enterprise Performance Management
 - Regularly design and implement modular Vue.js components in order to dynamically display data
 - Take stories every day to fix bugs, implement new Vue components, and write Jest unit tests
 - Create private API endpoints and NoSQL Cloudant connections using Node.js
 - Lead a team of other new hires in creating a React.js app for an independent project
- General
 - On-call for production support, regularly fixing production issues alone on weekends as needed
 - Attend daily SCRUMs per our biweekly agile sprints maintained on Jira
 - Peer review code and do acceptance testing with Github Enterprise and Jira

Subteam Co-Lead – Cornell Engineers w/o Borders Digital Agriculture – Ithaca, NY (2020-2022)

- Lead team to create a React.js web app to showcase our project and provide documentation
- Managed a small team to develop a Kivy Python app that plant breeders will use to identify diseased regions of plants and plot routes for a land rover to follow and investigate these infected regions
- Employed a TensorFlow mask rCNN for a UAV to detect lesions in plants and to be deployed in developing countries whose maize crop is afflicted by Northern Leaf Blight
- Used data augmentation and a clustering algorithm to spot regions of early disease in maize crop

Junior Developer Intern – McCurdy Auction Real Estate Specialists – Wichita, KS (Summer 2020)

- Researched, proposed a design, and used Postman testing to begin implementing a RESTful API to increase production speed and provide better documentation for future new employees
- In helping maintain Laravel and Vue.js website, regularly fixed issues assigned through Gitlab
- Created migration generation system to improve testing on database changes

|| Interests

Tech for Good | Technical advisor for finEQUITY.org

Music of all kinds | Jazz guitarist of 10 years and president of Cornell After Six Neosoul Band

Coffee | Barista at Amit Bhatia Libe Café in Fall 2021