Brady Volkmann

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‖ Academic Experience | Cornell University

BA Computer Science – May 2022
GPA: 4.0 – Dean's List – All Semesters Awarded

‖ Technical Skills and Abilities

Advanced	Intermediate	Novice
Vue.js	Kubernetes	UX Design
Python	Docker	React.js
Algorithm Design and Analysis	Node.js	Figma Prototyping
SQL	Java	PHP (Laravel)
	RESTful API Design	Android Studio
	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
    - Configure Docker builds and manage deployments with Jenkins
    - Write for Python backend used to transform data in IBM's internal data pipeline
    - Use Kubernetes to maintain and assess statuses of microservices for data pipeline
- 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 Cloudant connections using Node.js
- General
    - Attend daily SCRUMs per our biweekly agile sprints maintained on Jira
    - Peer review code and do acceptance testing with Github Enterprise and Jira
    - Perform monthly release regression testing

Subteam Co-Lead – **Cornell Engineers w/o Borders Digital Agriculture** – Ithaca, NY **(2020-2022)**
- Leading 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
- Employing 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
- Using 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
Music of all kinds. Jazz guitarist of 10 years
President of Cornell After Six Band. Member of Cornell Jazz Program and Skylines the Band
Barista at Amit Bhatia Libe Café from Fall 2021