

Nikita Nekrasov

 github.com/NikitaNekrasov

Education **Brooklyn College** – Brooklyn, NY
BS, Information Systems

Graduated May 2019

Software Skills **Languages** – Java, JavaScript, HTML5, CSS3, Swift, PHP, C/C++
Frameworks – Vue.js, Nuxt.js, Node.js, TailwindCSS, Express.js, STM32Cube
Tools – Git, Azure, AWS, CI/CD, MongoDB, JIRA, WordPress, PlatformIO, TensorFlow.JS, TensorFlow Lite Micro

Experience **Full Stack Developer**

Unlimited Tomorrow – Rhinebeck, NY

11/2019 – Present

- Created a Nuxt.js based web application to configure prosthetic arms during and after assembly via Bluetooth Low Energy. Designed a custom Neural Network with TensorFlow(.JS/Lite), affording users the ability to wirelessly train their device in the browser, making it respond to their unique muscle inputs.
- Developed an intuitive limb scanning mobile application utilizing LIDAR based sensor technology running SLAM, used by over 250 users of varying technical literacy in the comfort of their own homes.
- Refactored mission-critical software for an ARM Cortex-M series microcontroller with Test Driven Development principles, adding a custom I²C bootloader to allow OTA (over the air) firmware updates.
- Implemented a network of microservices to automate communication between internal CRM/ERP systems, collectively saving our fulfillment and manufacturing teams thousands of hours of manual data entry.
- Integrated a WordPress based eCommerce website with custom back-end logic to accommodate various potential customer journeys, serving nearly 100,000 visitors annually.

Test Automation Engineering Intern

Northwestern Mutual – New York, NY

06/2018 – 07/2019

- Decreased mean time to detect bugs by 75% through the implementation of automated end-to-end tests running in a CI/CD pipeline with triggers upon code commits.
- Implemented mobile-first UI features for progressive web applications based on user stories throughout over 20 Sprints.
- Improved code review efficiency by 50% via automated regression tests that execute per merge request.

Lead Mentor/Volunteer

FIRST Robotics Team 2579 – Long Island City, NY

10/2013 – Present

- Mentor a team consisting of 20+ students in robot programming and design.
- Maintain an average 7-minute match cycle time by diagnosing robot/computer connection issues and remedying them in under 60 seconds.