

# Prangon Ghose

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## Experience

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### Lockheed Martin

Rockville, MD

#### SOFTWARE ENGINEER ASSOCIATE

July, 2021 - Present

- Design and develop Java microservices for satellite ground systems using Spring Boot, leveraging JUnit and Postman for testing
- Lead software deployment on cloud and bare-metal environments using Rancher, Docker and Helm, coordinating testing, DevSecOps and database administration across a team of 10+ developers
- Track and communicate code quality and code security using SonarQube, triaging 25+ vulnerabilities and resolving 100% of identified critical issues
- Automated the delivery of software using Gitlab CI/CD, minimizing the time between code commit and production deployment by 50%

### Enertiv

New York, NY

#### IoT DATA ANALYST INTERN

January, 2020 - May, 2021

- Integrated 14 Internet-of-Things (IoT) sensors using Python, expanding Enertiv's sensor portfolio by 2x and launching 7 new IoT packages
- Overhauled the sensor installation process by developing a Django and AngularJS web app, reducing installation time by 10%
- Spearheaded Enertiv's first-ever IoT deployment in Europe, developing documentation to install 5 IoT packages, verifying sensor data, and diagnosing installation issues
- Developed the firmware for a Linux-based smart energy meter in Python on a Raspberry Pi, capturing 4 new data types to more accurately measure energy consumption

### Science and Technology Entry Program, Stony Brook University

Stony Brook, NY

#### INSTRUCTOR

January, 2019 - May, 2021

- Launched the Program's first-ever computer science course using Python, teaching 40 high school students over 3 semesters
- Expanded the computer science course offerings by planning and teaching a 7-week object-oriented programming course, increasing the students' confidence in their skills to 85%

## Skills

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**Languages** Java, Python, C++, C, HTML, CSS, JavaScript, SQL, Bash, Assembly

**Technologies** Spring Boot, Kubernetes, Docker, Gitlab CI/CD, Git, UNIX/Linux

**Hardware** Embedded Systems (ARM and AVR), Raspberry Pi, Arduino, VHDL, SystemVerilog

## Education

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### Stony Brook University

Stony Brook, NY

#### BACHELOR OF ENGINEERING (B.E.), COMPUTER ENGINEERING

Graduated May, 2021

- **Honors/Awards:** Magna Cum Laude, Dean's List (All Semesters)
- **Organization(s):** Stony Brook Robotics Team, IEEE-Eta Kappa Nu Honors Society - Theta Mu Chapter