

# RICKY RODRIGUEZ

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## EDUCATION

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### NEW JERSEY INSTITUTE OF TECHNOLOGY

Master of Science in Software Engineering | GPA: 3.56 January 2020 – Present

Bachelor of Science in Mechanical Engineering Technology | GPA: 3.3 December 2016

Minor in Manufacturing Engineering Technology

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## TECHNICAL SKILLS

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HTML/CSS, JavaScript, Swift, React, Java, SQL, Python, PHP, WordPress, Illustrator/Photoshop, SolidWorks, Primavera P6, Blender, Microsoft Project, Axure, Figma, Creo

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## ACADEMIC PROJECTS

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- Software Testing and Quality Assurance – Used React to create a recipe-finding app and the UI of our web app. Fetched the recipe data from an API. Used React Testing Library and Jest to create unit, system, and integration tests.
  - Software Design and Production Methodology – Used JavaScript, HTML/CSS, and Bootstrap to create a website, patient portal micro-service for patients to schedule TeleVisit appointments with their doctors.
  - User Experience Design – Used Axure to create a prototype of a professor finding/rating web app with a partner.
  - Advanced System Analysis & Design – Used Figma to create a high fidelity wire frame for a health and fitness app.
  - Data Management System Design – Used PHP and SQL to create a website so that students can enter a course code and register for courses. It also generated a class list for each class section.
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## PROFESSIONAL EXPERIENCE

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### INTEGRATED CONSTRUCTION ENTERPRISES

Belleville, NJ

Robotics Engineer

April 2017 – 2020

- Worked with a small team on fast paced R&D projects where we designed robotic systems and ran simulations and routinely used CAD and prototyping skills
- Published: U.S. Patent 2020/0016619A1, "Autonomous Drywall Installation Systems and Related Methods," Jan. 16, 2020.

Assistant Project Manager

- Developed and maintained schedules and estimates for multimillion-dollar projects
- Managed subcontractors and construction workers in teams of up to 15 people
- Visited project sites to evaluate progress and diligently address client concerns