

# Gena Gizzi

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genagizzi.com

## Profile

- Knowledgeable with Java, Linux, C/C++/C#, Database Administration, Unity, HTML, PHP, JavaScript
- Familiarity working on projects with an interdisciplinary team of engineers
- Experience in software engineering, networking, cloud architecture, cybersecurity, and web applications

## Education

- **Rowan University** Glassboro, NJ  
*Bachelor of Science in Electrical & Computer Engineering* Sep. 2014 - May. 2018
  - Computer Science Minor & Bantivoglio Honors Concentration
  - GPA: 3.693

## Work Experience

- **Rowan University Engineering Outreach** Glassboro, NJ  
*Student Worker* Jan 2015 - May 2018
  - Manages the Engineering Outreach LinkedIn page, providing various professional opportunities for Rowan Engineering students
  - Assists in the coordination of STEM outreach activities for local K-12 schools
- **Naval Sea Systems Command** Philadelphia, PA  
*Software Engineering Intern* May 2016 - Aug 2017
  - Improved the UI design & functionality of a condition based maintenance software for an enhanced user experience using Java, CSS, XHTML, JavaScript, PrimeFaces
- *Cybersecurity & Networking Intern* May 2015 - Aug 2015
  - Conducted award winning research to defend advanced networks & control systems by creating a flexible network simulation framework, exploiting vulnerabilities, & conducting real time data analysis

## Projects

- **Algae City 3D Game Development** Glassboro, NJ  
*Rowan University Engineering Clinic* Sep 2017 - May 2018
  - Building a game system that engages students through the exploration of the innovations & usages of algae using Unity 3D
- **Optical Stealth Communications** Glassboro, NJ  
*Rowan University Engineering Clinic* Sep 2016 - May 2017
  - Researching to create a free space optical communication hybrid system with a stealth channel outside the traditional spectrum to meet growing demands of modern cyber-physical systems
- **Bike Shop Software** Sep 2016 - Dec 2016
  - Designed object oriented software using Java that allows customers to buy or rent bikes & accessories
  - Implements GUI design, error handling, file I/O, interfaces, lambda expressions
- **Guest Check In/Check Out Web Application** Jan 2016 - Aug 2016
  - Created mobile friendly web app to easily keep track of guests at events using Linux, Apache, MySQL database, PHP, JavaScript, HTML, CSS

## Skills

**Languages:** Java, JavaScript, C/C++/C#, PHP, HTML, XML, JSON, CSS, Verilog HDL

**Tools:** Oracle & MySQL Databases, Security Onion (IDS), VMware, VirtualBox, Honeypots, Apache Servers, Android Studio, Unity, Altera Quartus II, MATLAB, PrimeFaces

**OS:** Windows, Linux, Macintosh