

Marissa Tavano

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EDUCATION

B.S. in Computer Science
The College of New Jersey | 2018

Relevant Coursework:

- Software Engineering
- Computer & Network Security
- Operating Systems
- Computer Architecture
- Analysis of Algorithms
- Data Structures
- Discrete Structures

SKILLS

PROFICIENT

- JavaScript
- Google Apps Script
- HTML/CSS
- Ruby
- C++

PAST EXPERIENCE

- Python
- PHP
- Java
- C

TOOLS

- UNIX CLI
- Web APIs/Services
- Adobe Suite
- VirtualBox
- Final Cut Pro
- LogicWorks

EXPERIENCE

STUDENT IT WORKER, Networking & Technical Services

TCNJ | February 2016 – Present

- Assisted administrators in staff email migration from Zimbra to Google Apps by setting up and configuring the necessary servers and initializing the transfer process.
- Developed both bounded and standalone scripts, mainly for project management and process automation, to be integrated and employed on the Google Apps platform for staff to use.
- Built and designed an internal website for the IT department.
- Designed web applications to facilitate campus services using the Novell Vibe platform.

WEB DEVELOPMENT INTERN, Enterprise Infrastructure

TCNJ | May 2017 – August 2017

- Designed and created an absence request / time-off workflow that automated the entire time-off request process.
- Automated the maintenance and upkeep of TCNJ's server data.

PROJECTS

COOKING APP

Software Engineering | Spring 2017

Used Ruby on Rails to create a Web App that enables you to convert between different ingredient measurements, view substitutions for various ingredients, scale ingredient measurement amounts, and view useful cooking tips.

PASSWORD LOGGER CHROME EXTENSION

Computer & Network Security | Spring 2017

Designed and developed a Chrome extension that acts as a keylogger to record and store all usernames and passwords that the user enters.

STRING EXPLOITATION

Computer & Network Security | Fall 2016

- Conducted ethical hacking in the Kali Linux environment to examine buffer overflow, string format vulnerabilities, and possible exploitations.
- Developed Python scripts to hijack control flow, and utilized GNU debugger, gdb, to examine memory contents and get root shell access.

LEADERSHIP

TCNJ WOMEN IN COMPUTER SCIENCE (WICS)

Vice President | September 2015 – Present

TCNJ ASSOCIATION FOR COMPUTING MACHINERY (ACM)

Secretary | September 2015 – Present

TCNJ COLLEGE UNION BOARD (CUB)

Associate Board Member | September 2015 – May 2016