

James Castro

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Education

Stony Brook University

8/2016-5/2020

Bachelor's of Science in Computer Science

Relevant Courses: Software Engineering, Principles of Database Systems, Analysis of Algorithms, Data Structures, Computer Communications, Statistical Methods for Data Science, Computer Security Fundamentals, Offensive Security, System Fundamentals I, System Fundamentals II

Projects

C4me

<https://github.com/jamescastro98/c4me>

- ❖ Created a full stack social media platform in a team that enables users to track their college applications, project chances of admission, see similar students and view recommended colleges. Complete with full authentication and routes.
- ❖ Technologies Used: JavaScript with MySQL, Express.js, React.js, and Node.js

Covert Command & Control Channel

<https://github.com/jamescastro98/Covert-Cats>

- ❖ Created a proof of concept covert command and control channel via the Twitter API for an Offensive Security course. Command & data transmission between client and attacker are hidden in images of cats, and communication is designed to mimic user traffic patterns.
- ❖ Technologies Used: Python with Scapy

Distributed TypoSquatting Detector

<https://github.com/jamescastro98/Taste-the-Typo>

- ❖ Designed a distributed typosquatting detector that generates similar spelling error permutations of a given website and visits them and, if they exist, dynamically displaying them to users by showing a screenshot and pulling their HTML bodies
- ❖ Technologies Used: Python with Django, HTML, CSS, and JavaScript

Ecommerce Platform

<https://github.com/jamescastro98/Mipsmazon>

- ❖ Created a fictional ecommerce platform in a team that enables customers to add goods to cart and checkout with transactions being recorded to the database.
- ❖ Technologies Used: Java with MySQL, JDBC, and JavaFX

Skills

- ❖ **Languages:** Python, Java, C, C#, JavaScript, TypeScript, HTML5, CSS3.
- ❖ **Databases:** SQL Variants like MySQL, MariaDB.
- ❖ **Operating Systems:** Ubuntu, Kali Linux, Windows
- ❖ **Frameworks:** Scapy, SciKit Learn, Selenium, Matplotlib, NumPy, Pandas, SciPy, Django, JavaFX, JDBC, .NET Core, Express.js, React.js, Redux, Node.js, Axios, Bootstrap, Materialize.css
- ❖ **Misc:** Git, Communication Skills, Leadership Ability, Working Knowledge of Spanish

Work Experience

Lead File Clerk

Babylon Honda/The New Babylon Honda

2015-2020

- ❖ Filed & retrieved customer service repair orders, car deals, parts orders, etc.
- ❖ Purged files in regular intervals in accordance with company policy
- ❖ Delegated work from boss to coworkers & worked as a team