Christopher Vezina-Morales

Personal Data

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Work Experience

Oct 2017 to Present	**Research Assistant at Stony Brook HEX Lab, Stony Brook, NY** *Computer Security* Worked with researchers to develop an implementation of a compilation toolchain, that randomizes exectuables at install time, using custom written debian packages. This was done with the goal of preventing code reuse attacks in vulnerable programs.
May 2017 to Jan 2018	**Internship at Zignage LLC, Manhattan, NY** *Software Development and System Admin* Worked closely with in-house systems employees to develop deployment tools. System administration in Linux environments for machines to be used in production.
Sept 2014 to Aug 2015	**Research at NYU Polytech, Brooklyn, NY** *Biometric Authentication / Computer Security* Implemented and Refined an algorithm used for authenticating a user through unique features in their handwriting using MATLAB and Amazon Web Services.

Education

Stony Brook University	Dual BS in Computer Science and Applied Mathematics, Honors Program. Expected Grad Date: May 2019. Cum GPA: 3.49, Major GPA: 3.52
Completed Coursework	Fundamentals of Computer Security, Computer Networking, Data Sciences, Analysis of Algorithms: Honors, Computational Geometrey

Projects

Fall 2017	**Online Marketplace in Python** An online marketplace where users can sign up for accounts and register items to sell. Written in Python using the Flask Microframework and Bootstrap CSS Library.
Spring 2018	**Network Packet Sniffer in Python** Raw socket packet sniffer written using the Construct binary data building/parsing library. Supports several protocols inluding TCP, UDP, ARP, and DNS.
Fall 2016	**Open Street Map GPS in Java** App developed in Java that reads and renders Open Street Map XML data and provides GPS functionality.

Skills

Python, Java, C, Shell Scripting (Bash), MATLAB, Git, Unix-like & Windows OS, LaTeX.
Application / Web Security, Backend Web Development, Software Development, Networking.