Fahmida Alam Anika

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EDUCATION, AWARDS & LEADERSHIP EXPERIENCE

Hofstra University, New York
M.S Computer Science, 2018- 2020
Conc: Network Security
Graduate Merit Scholarship
Graduate Assistant, EdTech
Graduated May 2020

Hofstra University, New York
B.S Computer Science, 2014 - 2018
Conc: Entrepreneurship in Computing
Honors College 2014 - 2017
Hofstra Presidential Scholarship
Graduated May 2018

Vice President, Hofstra International
Global Mentor 2017
Winner, 2_{nd} Place:
Annual Computing Entrepreneurship
Competition 2017

PROGRAMMING LANGUAGES & OPERATING SYSTEMS EXPERIENCE

Languages: Python, C, C++, C#, asm, Java, JavaScript, HTML/CSS, PHP, Perl, SQL, SPARQL, R, PowerShell

Operating Systems: Linux, Kali Linux, MAC, Windows

RESEARCH & RELEVENT COURSES TAKEN

Research Projects: Malware Analysis, SIEM with ELK & Snort, Alexa for Hofstra, Silicon Valley Startup Analysis

Courses: Ethical Hacking/Secure Systems; Network Security; Cybersecurity Certification from Facebook & Codepath; Networking; Computer Architecture; Software Engineering(Agile); Object Oriented Programming with C++ & Java; Advanced Operating System Design; Advanced Programing Language Concepts; Algorithm Design & Analysis; Artificial Intelligence; Machine Learning; Web App Development; Automata Theory, Calculus III, Statistics

SECURITY EXPERIENCE

Skills: Vulnerability Assessment, Code Analysis, Binary Analysis, Web App Security, Defensive Security, Penetrating Testing

Tools: GitHub, Metasploit; GDB/X86 Debugger; ELK stack, Snort, Burp, Wireshark, Nessus, Nmap, Putty, SolarWinds

Compliance & Framework: CIA Triad, NIST, MITRE ATT&CK
Professional Experience:

SECURITY ENGINEER CO-OP | STRUCTURE TONE ORGANIZATION | MANHATTAN, NY | JUN 2019 – DEC 2019

- **Defense:** Monitored corporate network security via vulnerability scans, & endpoint security system logs.
  Notified relevant department heads about security findings.
- **Remediation & Implementation:** Remediated critical & Blue Keep vulnerabilities on all Windows servers.
  Implemented newly enforced "Least Privilege Policy" companywide.
  Coordinated remediations of insecure systems across multiple regions.
  Scripted automation programs for Active Directory.
- **Assessment & Consultation:** Assessed & reported detected vulnerabilities, penetration testing & threat hunting results.
  Consulted department directors on cybersecurity strategies while analyzing cost vs risk value.
  Evaluated Manage Detect Respond (MDR) security solutions.
  Researched IT security issues & solutions.
  Identified Ransomware as company's top security threat.
- **Management:** Managed & organized security heath check projects.
  Managed Privileged Access Workstations(PAWS) project.
  Point of contact for all corporate security initiatives & issues.
- **Policy Review:** Documented IT best security practices.
  Defined new policies. Reviewed existing corporate security policies.
  Evaluated & consulted on Disaster Recovery plans, communicated impact of a breach, downtime, cost.
- **Presentation:** Represented the company to vendors.
  Communicated company's requirements.
  Probed proposed security solutions during meetings.
  Presented ideas in a business-friendly language.

RELEVANT TECHNICAL EXPERIENCE

TECHNICAL PRODUCT MANAGER INTERN | CENTER3CONSULTING, LLC | LONG ISLAND, NY | FEB 2019 – JUN 2019
- Engaged proactively with clients on new projects
- Assisted with DNS & web server management
- Managed Google Analytics & marketing strategies
- Identified areas for process improvement

WEB DEVELOPMENT & MARKETING INTERN | PJT CONSULTANT, LLC | PLAINVIEW, NY | JUN 2017 – DEC 2017
- Designed front end of website using HTML/CSS
- Modified existing company websites
- Managed company newsletter
- Marketed company events on local news agencies, press release & social media
- Coordinated company events & managed related logistics
- Communicated with top Long Island executives about sponsorship & speaker invitations

SUMMER INTERN | TRANSONIC COMMUNICATIONS | DHAKA, BANGLADESH | MAY 2016 – AUG 2016
- Analyzed device performance to consult government defense agencies on products that meet their proposed requirements
- Contributed to a team of technical engineers
- Reviewed tender proposals, shipment documents such as bill of lading, letter contract, proforma invoice
- Consulted board/business executives on tech specifications of products & related documents

SHADOW INTERNSHIP PROGRAM | BUZZFEED | MANHATTAN, NY | JAN 2016
- Shadowed company's Lead Software Engineer to learn about methods of software quality assurance, bug detection & software program deployment process
- Learned about factors & significance of GUI design to facilitate global internet users with limited web navigation skills

OTHER KEY SKILLS

Leadership; Creative Problem Solving, Analytical & Critical Thinking; Idea Development; Good Programming Standards; Adaptability; Quick & Efficient Learning; Communication; Collaboration; Writing; Self-Guided Research; Multitasking; Layman Term's Presentation; Multilingual – English, Bengali, Urdu, Hindi