Muhammad Ahmed Khalid

khali119@umn.edu · www.github.com/kingmak

EDUCATION

University of Minnesota - Twin Cities   Expected Fall 2018
B. A. S. Information Technology Infrastructure
B. A   Computer Science

EXPERIENCE

University of Minnesota   Sep 2017 – Dec 2017
Teaching Assistant, Minneapolis, MN

   Aided students in C programming with a focus on memory management. Graded student assignments.

Best Buy   May 2017 – Aug 2017
Cyber Security Intern, Richfield, MN

   Created automated procedures to parse Arcsight logs for suspicious events and generate cases in Resilient.
   Developed a REST foundation for Arcsight's API via C#'s MVC framework. Constructed HipChat bot in
   Python for reporting on real time security news & events. Designed a parser to extract IOC information from
   Outlook emails, csv files, html files and automatically push this data to a ThreatQuotient Database. Found and
   patched a group policy vulnerability.

University of Minnesota   Dec 2016 – May 2017
Web Developer, Minneapolis, MN

   Developed and maintained websites in Drupal and PHP for the College of Science and Engineering.

University of Minnesota   Sep 2015 – Feb 2016
Research Assistant, Minneapolis, MN

   Analyzed New York city bus networks by analyzing GPS data and station distribution. Researched taxi
   networks in various cities of China by analyzing GPS data. Developed an efficient parser to extract relevant
   information from large GPS data sets. Built maps & visualizations of GPS data via the Processing framework.

Capella University   Aug 2012 – Aug 2013
IT Technician Intern, Minneapolis, MN

   Created Python scripts to automate and speed up course build process. Provided customer service and support
   on software and hardware issues. Maintained online university curriculum.

SKILLS   C · C++ · C# · Python · Java · JavaScript · HTML/CSS · SQL · GIT · Linux · Shell · Bash · MVC

PROJECTS

- MakPad – Developed a GUI based text editor in Python using the Tkinter framework (on github)
- SysInfo – Programmed a utility to retrieve system/machine information fast. Created in C# (on github)

RELEVENT COURSEWORK

- Algorithms & Data Structures
- Machine Architecture and Organization
- Practice of Database Systems
- Introduction to Computer Networks

ACTIVITIES AND ACCOMPLISHMENTS

- Recipient of Genesys Works Top Achiever Award
- Minnehack Hackathon Participant (created a chrome extension called LinkSave for saving multiple open tabs)