

Amrit Gautam

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EDUCATIONAL BACKGROUND

ROCHESTER INSTITUTE OF TECHNOLOGY | Rochester, NY

BS, Computer Engineering, 2020

Relevant Coursework: Intro to Software Engr., Computer Science I & II, Digital System Design I & II, Multidisciplinary Senior Design, DSP, Applied programming in C, Interface and Digital Electronics, Digital IC Design, Data and Comm. Network, Computer Organization/Architecture, Circuit I & II, Discrete Math for computing, Statistics I, Engineering Economy, Electronics I, Linear Algebra

SKILL SET

Software/Technical: SQL, Access/Word/Excel, C/Java, HTML/CSS, JIRA, ServiceNow, Power Shell, Active Directory, Technical Support, Quality Assurance, MATLAB

Hardware/Schematic: Oscilloscope, Multimeter, OrCAD PSpice, Waveform Generators, FPGA-VHDL, Altera Quartus

INTERNSHIP/WORK EXPERIENCE

MINDSHIFT TECHNOLOGIES, INC-A RICOH COMPANY | Rochester, NY

Jul 2020 – Present

Customer Engineer Intern

- Responsible for working closely with clients and cross functional mindSHIFT support teams to manage and maintain the technology used by customers.
- Network troubleshooting including basic networking protocols such as: TCP/IP, DNS, DHCP, network switches, and wireless network.
- Windows 10 workstation setup, configuration, and troubleshooting.
- OS setup, configuration, and troubleshooting.
- Workstation quality assurance check and management

UNIVERSITY OF ROCHESTER – INFORMATION SECURITY | Rochester, NY

Mar 2018 – Jan 2019

University IT Programmer Analyst Co-op

- Managed and administered over 100,000 user objects
- Generated identity and access management (IdM) reports surrounding account usage, generic types and sponsorships
- Evaluated, tested and maintained IAM components and services including identity directories and other applications that existed in the environment
- Documented the tasks necessary to implement security procedures
- Investigated account security issues using QRadar and other internal tools
- Participated in team meetings to develop IdM understanding and stay abreast of IdM technology
- Updated MS Excel and MS Access Databases with data from various sources. Utilized local databases to generate reports
- Utilized PowerShell scripts and SQL queries to assist in running audits on users in the domain

ROCHESTER CITY SCHOOL DISTRICT | Rochester, NY

July 2019 – Jan 2020

Instructional Technology Support

- Evaluated, updated and tested Chromebooks and other electronics for student's take-home deployments

PROJECTS

NXP car race The goal of this project was to build, program and race a car to compete with other teams for the fastest time possible. The process provided some of the most important knowledge of modern engineering process that includes, brainstorming, problem-solving, planning, designing, and eventually learning about components such as camera sensors and motor system control.

Tech. Used: C, Sensors, k64 microcontroller: <http://amritgautam.com/docs/nxp.pdf>

Checkers: Worked on a team based SDLC project with three other students in creating a web application for users to play a game of checkers. Application allows players to play web based checkers with other players who are currently in the game server. Functionalities includes, sign-in/sign-out, drag and drop for moves for easier user experience, single/double jumps, game resignation, spectator mode and replay mode. My main role was to test the application for correct functionality using provided acceptance criteria.

Tech. Used: Java 8, JUnit testing, Spark Framework, Trello, Slack: <http://amritgautam.com/docs/checker.pdf>

***Robo-Dreadnoughtus:** The goal of this project is to build a working model of a Dreadnoughtus tail. The model will serve as a tool to expand support for future paleontological research. The expected end result of this project is a robotic model of the tail that is controlled through a graphical user interface, robust enough to endure hours of examination and testing, has enough sensors to understand the movement of the tail (including forces, acceleration, and flex), allows for variables tail acceleration, and accurately represents the bone and muscle structure of the Dreadnoughtus's tail. This is a Multidisciplinary Senior Design project and will be completed in Fall 2020.

Tech. Used: Arduino Uno, C /Java, GUI, Sensors, confluence: <https://wiki.rit.edu/display/P20229/Project+Overview>

*In progress