

Uday Manchanda

<https://umanchanda.github.io>

<https://linkedin.com.com/in/umanchanda>

Email : uday.manchanda14@gmail.com

Mobile : 908-723-7481

<https://github.com/umanchanda>

EDUCATION

- **New Jersey Institute of Technology (NJIT)** Newark, NJ
Bachelor of Science in Computer Science; GPA: 3.46/4.00 May 2016 – May 2019 (In progress)
- **Case Western Reserve University** Cleveland, Ohio
Major: Computer Engineering Aug 2014 – May 2016 (Transferred)

EXPERIENCE

- **CircleBlack Inc.** Newark, NJ
Project Manager Intern: Market Data Feed Automation Feb 2019 - May 2019
 - **Responsibilities:** Led a team of fellow undergraduate students. Project consisted of Python scripts to parse and collect data from Xignite API. Inserted data into MySQL database hosted on AWS based on specific rules.
- **Chicago Mercantile Exchange (CME Group)** New York, NY
Cyber Security Intern Summers 2017 and 2018
 - **Responsibilities:** Helped maintain standard operations procedures and documentation. Provided operational support and responded to inquiries on products such as Riverbed, Guardium, and ArcSight. Became acquainted with matters on Network Security such as Proxy Management and Host and Network Intrusion Detection.
- **Interpublic Group (IPG)** New York, NY
Network Security Intern May 2016 - December 2016
 - **Responsibilities:** Implemented Splunk based network intrusion detection system to collect and analyze data from fifty hosts. Assisted in configuring security to enable: data source aggregation, event correlation, and ongoing monitoring. Conducted Nessus vulnerability scans on email servers to check for vulnerabilities

PROJECTS

- **Language Interpreter** Fall 2017
<https://github.com/umanchanda/language-interpreter> Language: C++
 - **Specification:** Performs lexical, syntactic, and semantic analysis while referencing a symbol table from an EBNF grammar and set of semantic rules
- **Web Server** Spring 2018
<https://github.com/umanchanda/webserver> Language: C
 - **Specification:** Implemented a simple HTTP server from scratch and responds to page requests from a web browser. Serves HTML pages stored locally.
- **Book Review Web Application** Winter 2019
<https://umanchandabooks.herokuapp.com> Technologies: Flask, PostgreSQL, Jinja2
 - **Specification:** Allows user to create and submit a review for a particular novel. User registration and authentication included. API information scraped from Goodreads using requests library.
- **Web Authentication Application** Spring 2019
<https://github.com/umanchanda/authentication> Technologies: React.js, Redux.js, Node.js, Express.js, MongoDB
 - **Specification:** Minimal Javascript Full Stack Web Application with user authentication via passport and JWTs

PROGRAMMING SKILLS

- **Languages:** Python, Java, C, SQL, Javascript, C++, LaTeX, R, HTML, CSS
- **Web Development Technologies:** Flask, Django, React.js, Redux.js, Node.js, Express.js, Gatsby.js, jQuery
- **Databases:** SQLite3, MySQL, PostgreSQL, MongoDB, Microsoft SQL Server, GraphQL, Oracle SQL Server
- **Cloud Computing:** Heroku, AWS
- **Coursework:** Advanced Data Structures and Algorithms, Programming Language Concepts, Fundamentals of Network Security, Advanced Programming in Linux, Statistical Methods in Data Science

AWARDS

- **Eagle Scout Award:** Earned in April 2014 after successfully completing Eagle Project