

# Michael Abreha

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## EDUCATION

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**Bachelor of Science**, Computer Science - *Magna Cum Laude*  
State University of New York College at Plattsburgh

Aug 2017 - May 2021  
GPA: 3.77

## EXPERIENCE

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**Data Analyst**, DC Water

May 2019 - Aug 2019

- Worked directly with the SQL server admin and a team of 5 interns to formulate and report on data received from 10,000 water meters
- Utilized Power BI to build 8 dashboards in 3 months by integrating with SQL Server
- Designed different data visualizations by collaborating with 4 other interns as required by the supervisor
- Held final project presentation to DC Water General Manager and other higher executives

**Assistant Technician**, State University of New York College at Plattsburgh Computer Help Desk Sep 2018 - Dec 2020

- Remotely connected to more than 5 customers computers per day to resolve issues
- Performed device analysis, troubleshooting, diagnostics and deployed at least 12 computers per day
- Assisted on average 5 customers per day having hardware, software and networking problems
- Investigated reported issues and walked customers through scripted service protocols to rule out problems

**Resident Assistant**, State University of New York College at Plattsburgh Learning Center

May 2018 - Dec 2020

- Collaborated with different teams every year, 6 individuals or more, to initiate programs, activities, and community development by addressing social, recreational, educational, and developmental aspects of residents' lives
- Educated and enforced college policies by following specific protocols and guidelines
- Executed 4 or more engaging and challenging programs every month within the context of a specific educational programming paradigms

**Academic Tutor**, State University of New York College at Plattsburgh Learning Center

Feb 2018 - Dec 2020

- Tutored 3 computer science and 5 mathematics courses
- Assisted students with homework and provided supplementary instructions
- Had 7 tutoring sessions on average every week

## PROJECTS

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### GM Report

- Extracted data from 4 different databases using SQL Server to construct summaries and reports
- Created Power Bi dashboards for 3 reporting months by importing raw data from SQL Server and Excel
- Recreated previously written GM report, 8 pages long, by using Power BI
- Used stored procedures, triggers, and views to provide structured data to business units by combining thousands of rows of data from different data sources

### Burghy Deals

- Lead 2 other software developers to develop an e-commerce web app from scratch that allowed only SUNY Plattsburgh students to buy and sell items online by granting access using their email address
- Employed firebase as back-end and react JS, HTML and CSS for front-end
- Implemented agile software development methodology and jira as a work management tool
- Presented final working version of the project in front of 30 other software developers

### Independent Study

- Web scrapped 20 colleges' computer science courses website and parsed them using python's beautiful soup
- Used My SQL to store the list of parsed data in a database
- Wrote queries to discover what changes have occurred between SUNY Plattsburgh and other colleges courses

## SKILLS

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**Development Environment:** VS code, Pycharm, Brackets, Eclipse, Xcode

**Programming Languages:** Javascript, Python3, MySQL, SQL Server, C++, Java, HTML/ CSS

**Operating Systems:** Microsoft Windows, MacOS, Linux

**Other Skills:** Node.js, React, Redux, Angular, JQuery, Git, Github, Jupyter, Power BI, Object-Oriented Programming, Agile Methodologies, Web Development, Firebase

## ACHIEVEMENTS

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- Merit- Based International Scholarship
- Dean's List : Aug 2017 - Dec 2020
- Outstanding Graduate in Computer Science 2020
- Academic Excellence in Computer Science 2021