

## SKILLS SUMMARY

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- **Languages:** Python, SQL, TypeScript, JavaScript, R, MATLAB, C/C++, Bash, Java
- **Technologies:** Flask, Pandas, Jupyter, MongoDB, Hive, Postgres, Docker, Azure, AWS, Tableau, Git
- Proficient in various data processing and statistical analysis languages
- Experienced with Agile/Scrum framework, and Perforce/Git source control with large scale codebase

## EMPLOYMENT

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<b>Data Platform Intern</b>	<b>Nvidia Corporation</b>	<b>Jan 2018 – Apr 2018</b>
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- Classified gaming sessions using supervised ML algorithms to identify bad gaming experiences and potential bugs to fix, helped reduced the manual reviews by developers (Python, Kafka, Kibana)
- Worked with China CDN provider on product connectivity by analyzing connection data, reduced the failure rate effectively from 40% to less than 5%
- Designed and implemented engineering dashboard to replaced old reporting charts with GDPR requirements (Hive, Tableau)
- Summarized ad hoc analysis on products and presented at monthly produce review to senior managements and shareholders

<b>Data Scientist</b>	<b>Knowtions Research</b>	<b>May 2017 – Aug 2017</b>
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- Developed Natural Language Processing techniques on word2vec, answer ranking, sentiment analysis on bilingual medical data to serve knowledge translation and further data mining (Python CoreNLP, Marven)
- Explored innovative algorithms for sequence labeling and entity extraction to determine key features of patient's information from electronic medical records
- Implemented full pipelines and queue systems to improve data mining efficiency (Python, RabbitMQ, Docker, SQLAlchemy)
- Designed APIs and associated documentations to allow clients easily access company's knowledge base (TypeScript, YAML, SwaggerHub, Sequelize)

<b>Data Engineer</b>	<b>Capital One</b>	<b>Sep 2016 – Dec 2016</b>
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- Created a database space management tool that helps users compress and drop tables, resulting in over 200GB saved space within 3 weeks after product released (Python, SQL, JavaScript, Flask)
- Developed a web application for internal reporting dashboard creation and sharing (Python, MongoDB, JavaScript, Flask)

<b>Data Analyst</b>	<b>Loyalty One</b>	<b>Jan 2016 – Apr 2016</b>
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- Automated data validation scripts in Unix, replaced 4 hours of manual checks and improved accuracy by over 50% (Bash, SQL)

## PROJECTS

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- Haus: A python script that uses Facebook API to search specific groups' posts, used to help me find housing for school terms
- Chess: Standard chess game written in C++ with 4 different bots levels
- Trading Alg: A trading algorithm written in Java for a Bloomberg trading simulation hackthon

## EDUCATION

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<b>Bachelor of Computer Science, Statistics Minor</b>	<b>Sep 2014 – Apr 2019</b>
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- Honours: Nortel Institute Scholarship, President's Scholarship
- Leadership: Program Ambassador, eMentorship Program, Orientation Week Leader