

Rufus Behr

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EDUCATION

University of Aberdeen, Aberdeen, UK

Aug 2020–Dec 2023

- BSc (Hon) Computing Science and Mathematics, Findlay Walker Scholarship

Rensselaer Polytechnic Institute, Troy, NY

Aug 2018–Dec 2020

- BS Computer Systems Engineering
- Relevant Coursework: Data Structures; Intro to Electrical, Computer, and Systems Engineering; Foundations of Computer Science; Calculus 2; Intro to Differential Equations; Multivariable Calculus

Fordham Preparatory School, Bronx, NY

Sep 2014–May 2018

- Awards & Honors: University Excellence Award & Excellence in Greek and Latin

EXPERIENCE

Resource Pro, *Data Scientist*, Qingdao, China (In-Person & Remote)

Jun 2018 - Present

- Developed two models: one that with an accuracy of 98% could discern the type of insurance document, currently used daily on thousands of documents, and another that with an accuracy of 99% could determine the type of Acord Document File
- Headed the machine learning research and development team, starting with creation of a proof of concept that generates Insurance Policy Document Summaries
- Reworking this Proof of Concept by utilising a joint Part Of Speech tagger and Neural Network Dependency Parser and bringing it into production

IBM, *Undergraduate Researcher*, Troy, NY

Sep 2019 - Dec 2019

- Led undergraduate research project, “Aleph Naught”, which aims to simulate playing particular chess players given their historical games and to show that chess is understood akin to languages
- Integrated with chess websites to retrieve particular chess games from users and clustered chess tactics together
- Developed a Proof of Concept for this idea, based on numerous papers, that won “Best Implementation and Potential for Growth” at IvyHacks, an online Hackathon co-hosted by Ivy League universities with 1500+ participants. ([link](#))

Coronadviser (Personal Project), *Caltech’s Hacktech* - <https://devpost.com/software/coronadviser>

Mar 2020

- Won Best COVID-19 Awareness & Prevention Hack and Best Use of Google Cloud
- Cleaned, reformatted, and created additional features based on daily data collected from John Hopkins University
- Trained an Artificial Neural Network and XGBoost Regressor to predict confirmed cases and deaths in given regions due to COVID 1 year into the future, which was visualised on Esri

Check It (Personal Project), *Cornell’s Big Red Hacks* - <https://devpost.com/software/bigredhacks-jayhes>

Sep 2018

- Won Best Technical Feat
- Built a plagiarism detector that analyses the writing style of a new essay and compares it to the writing style of a student
- Designed and built frontend of WPF application in C#

Parkinson’s Artificial Intelligence Diagnosis (Personal Project), *Penn State App Competition*,

Apr 2016

- Placed 3rd place out of 185 teams
- Created an iOS application to diagnose Parkinson’s disease based on audio features with an accuracy of 94% using a TensorFlow Neural Network, FLASK, and Swift

ADDITIONAL SKILLS

- Proficient in Python, C++, Git, & C#
- Familiar with MATLAB, HTML+CSS, JavaScript, SQL, Java, & elisp
- Other languages studied: Ancient Greek, Latin, Old English, Sindarin, & Chinese
- Chess

References available upon request