**­­­­­­Please** [**view**](https://github.com/PR0VERB/Curriculum-Vitae/blob/main/BillSeotaCVGit.docx?raw=true) **the most recent version of my CV, hosted on Microsoft Github.**

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| I am a data scientist with 4 years of experience in developing and working with data science applications: dashboarding, modelling, predictive and prescriptive analysis. Honoured with the Good Citizenship award by my high school peers and staff, I take great pride in the respect I have for people – I appreciate all opportunities to engage with others and improve their lives. To acquire a diverse world view, I follow articles, books and podcasts on data management, psychology, and entrepreneurship. My passion for people, experiences, and ambitions have influenced my professional interests – to create operational, strategic and risk management frameworks for scalable ventures as I become a professional in data science and the industries that it supports.  **Education**   |  |  |  | | --- | --- | --- | | 2021-09 –  2022-09  2019-02 –  2021-03 |  | **Master of Real Estate Finance – in progress**  *Henley Business School, Reading, United Kingdom*   * Coursework on economics, securities, futures, options, fixed income & equity, funding, development processes & appraisals, valuation, and global markets & investments. The module outline can be found [here](https://github.com/PR0VERB/Curriculum-Vitae/blob/main/Real%20Estate%20Finance%20Modules.pdf?raw=true). * Dissertation proposal on retailer investment & consumer spending   **Master of Computer Science (with distinction): Data Science**  *University of the Witwatersrand, Johannesburg, South Africa*   * Dissertation on behaviour modelling. Concepts: Multivariate time series analysis, anomaly detection, regression analysis, natural language processing, metric design, forecasting. Context: Economics, education and psychology. The resulting paper that was submitted for publication can be found [here](https://github.com/PR0VERB/RESEARCH/blob/master/MDPI__e_Behaviour__Personality_and_Academic_Performance.pdf?raw=true). The dissertation can be found [here](https://github.com/PR0VERB/RESEARCH/blob/master/MarchDissertation09.pdf?raw=true). *Programmes: Python, PostgreSQL* |  |  |  |  |  | | --- | --- | --- | --- | |  | 2018-02 – 2018-12 |  | **Bachelor of Science Honours: Big Data Analytics**  *University of the Witwatersrand*   * Research report on algorithms for fraud detection * Coursework on Bayesian Statistics, Computer Vision, General Machine Learning, Optimisation, Data Analysis, Visualisation and Image Processing. *Programmes: Python* |  |  |  |  |  | | --- | --- | --- | --- | |  | 2015-02 – 2017-12 |  | **Bachelor of Science: Economics and Mathematics**  *University of the Witwatersrand*   * Coursework in Mathematics, Computer Science, Information Systems, Economics and Accounting. *Programmes: Stata, Python.* |   **Work History**     |  |  |  |  | | --- | --- | --- | --- | |  | 2021-10 – Present  2020-11 – 2021-07  2020-09 – 2020-11    2019-08 – 2020-06  2019-10 – 2020-06  2019-06 – 2019-07 |  | **Consultant – contract**  *National Treasury and United Nations University-WIDER, Tshwane*  **Data and Investment Analyst – contract**  *Bopa Moruo Private Equity Fund Managers, Johannesburg*  Prepared financial and operational dashboards for investor due-diligence and portfolio company reports*.* These dashboards entailed streamlining the financial reporting and visual analysis workflows to modelling operational efficiency within its portfolio companies to provide investment appraisals to the investment team. This project was the first of its kind, reducing reporting time from 17 weekly hours to 20 minutes and presented the companies’ financial and operational performance more accurately. *Programmes: Python, Excel, Power BI, Power Automate.*  **Customer Pricing Analyst**  *Tiger Consumer Brands Limited, Johannesburg*   * Worked with the data scientist to prepare product category sales data. * Uploaded and maintained the first-ever profitability dashboard across the company. The dashboard:  1. improved the quality and accuracy of reports, and 2. reduced the reporting time from 20 weekly hours to 5 minutes. *Programmes: Python, Excel.*   **Product Developer**  *Moya, Johannesburg*  Moya’s BlackBook was a fintech product to help small retail and service businesses obtain loans using transactions and macroeconomic data. As one of Moya’s three founders, I was responsible for BlackBook’s conception and its early phase production and developing relationships with merchants. *Programmes: Python, Excel.*  **AlphaCode Explore Incubate Member**  *AlphaCode & Explore Data Science Academy, Johannesburg*  I worked on business formulation and strategies around the BlackBook fintech product, covering the following tasks:   1. Using data science to scale organisations 2. Business thinking for 10x ventures 3. Design thinking and design sprints 4. Prototyping and testing BlackBook with our clients   **Technology Analyst**  *J. P. MORGAN Corporate and Investment Bank, Johannesburg*   * Trained by my line manager to understand the technology design and usage that ensures optimum transaction flow into, within and out of the Bank * Consulted with the 12 other line managers (Corporate and Investment Banking, Equity Research, Finance, Treasury, Trading, Sales, Operations, Compliance, Technology Infrastructure, Client Onboarding, Business Management) on their integrations within the Bank, and completed three projects involving the Finance, Operations and Technology departments | | |  | 2019-09 – 2019-12  2016-05 – 2018-12 |  | **Entrepreneur-In-Training**  *Investec Startup School, Cape Town, South Africa*   * Worked alongside mentors to expand my understanding of business models as well as internal and external drivers of an organisation * Developed two business plans for my operational-innovation ideas for small enterprises   **Counsellor and Council Member**  *Mathematical Science Student Council, University of the Witwatersrand*   * I was tasked with helping students who needed academic planning and guidance * As a council, we ensured the well-being of Science students regarding fair satisfactory performance criteria * In 2016, I was of seven students from a voluntary committee that introduced supplementary lessons and supplementary examinations for second-year Mathematics modules – the pass rate improved by 70% |     **Online Courses and Certificates**   |  |  |  | | --- | --- | --- | |  | 2021-08  2020-07  2020-07  2020-06  2020-04  2020-03  2019-09  2019-09  2019-05 | Probabilistic Graphical Models – Stanford University  Financial Markets – Yale University  Startup Company Valuation Methods – Duke University  Udemy – Mergers & Acquisitions and Disinvestment – Udemy  Company Valuation: Integrated Statements, Forecasting – Udemy  Complete CFA Modules (Course) – Udemy  SAIIA EU-SA Youth for Climate Action Conference – Volunteering  IBM Data Science Acceleration Course  Huawei 5G Overview Training Course |  |  |  |  | | --- | --- | --- | |  | 2014-11 | Good Citizenship Award – Cornwall Hill College (CHC) |  |  |  |  | | --- | --- | --- | |  | 2014-10 | Public Speaking: Toastmasters, Senior Best Speaker – CHC |   **Leadership Roles**   |  |  |  | | --- | --- | --- | |  | 2019-05 – Present  2019-11  2017-10 – 2018-10 | Volunteering – Member of Young Global Entrepreneurs  IBM Quantum Computing Summer School  ABSIP Investment Society: Promoting membership – Wits |  |  |  |  | | --- | --- | --- | |  | 2014-01 – 2014-11  2014-01 – 2014-11  2014-01 – 2014-11  2013-06 – 2013-11 | First Aid: Captain – CHC  Chess Captain: First team – CHC  Student Representative: Head of House – CHC  Football Captain: Centurion Blues Football Club |   **Hobbies and Interest Groups**  Short-distance track events  Toastmasters  Venture growth seminars  RAIL Labs (Robotics, Autonomous Intelligence and Learning) Group  **References** (Contact details available)  **Samuel Kamara – *Vice President, Finance, SoftBank Investment Advisers***  **Lucky Kgosiemang*, Technology Associate, J.P. Morgan***  **André Ross – *Executive Director, J.P. Morgan***  **Nimisha Naik – *Lecturer, Economics, Wits***  **Prof Samuel Azasu – *Associate Professor, Wits***  **Dr Bukirwa Irene Kamara – *Founder, Young Global Entrepreneurs***  **Ntsika Ntsokolo – *Equity Analyst, PSG Wealth***  **Nox Mlalazi – *Deal Executive, Athena Capital***  **Preashnie Padayachee – *Executive Director, J. P. Morgan***  **Lesiba Mothata – Head of Strategic Clients*, Alexander Forbes***  ***Dr David van der Walt – Managing Director, Vizier Advisors*** | A person in a blue shirt  Description automatically generatedA person in a blue shirt  Description automatically generatedA person in a blue shirt  Description automatically generatedA person in a blue shirt  Description automatically generatedA person in a blue shirt  Description automatically generatedA person in a blue shirt  Description automatically generatedA person in a blue shirt  Description automatically generatedBill Seota   |  | | --- | | **Contact Details** |     **Phone**  +27 84 381 7712  E-mail  [bseota@gmail.com](mailto:bseota@gmail.com)  LinkedIn  [Bill Seota](https://www.linkedin.com/in/bill-seota-016920b0/)   |  | | --- | | **Applications and Skills** |      * [Statistical Machine Learning](https://github.com/PR0VERB/Predictive) * [Github Page](https://github.com/PR0VERB?tab=stars) * [Company Metrics Dashboard](https://app.powerbi.com/view?r=eyJrIjoiM2MyMTM0ZmMtMjc3ZC00YmI3LTkwMmEtNWMzNjY4YTQxYTZkIiwidCI6IjRiMWI5MDhjLTU1ODItNDM3Ny1iYTA3LWEzNmQ2NWUzNDkzNCIsImMiOjh9&embedImagePlaceholder=true&pageName=ReportSection2481decdae0ae70a69b9) * [Investment Recommender](https://github.com/PR0VERB/exooda/blob/main/permutations.mp4?raw=true) * [Price Optimisation Dashboard](https://proverbpriceoptimisation.herokuapp.com/)   Public Speaking and Presentations    Python, Streamlit, Plotly and Power BI for data modelling, forecasting and visualisation    Python for Computer Vision    SQL    Python for Recommender Systems    Excel for valuation models    Git |