ERAN SHORER

Curriculum Vitae

SUMMARY

- **MBChB** (Bachelor of Medicine and Surgery) 6th year student.
- **BSc (Med) Hons Neurophysiology** (Summa Cum Laude)
- Chairman of University of Cape Town Cortex Club

CONTACT

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PERSONAL:

I am a 23-year-old final year medical student passionate about neuroscience and translational research. My academic aspirations are to work on brain-computer interfaces; develop my knowledge base and scientific skill set; and improve the lives of patients during my career.

EDUCATION:

- ***2020***

  - **Advanced Computational Neuroscience Program**
    Hosted by IBRO (International Brain Research Organization)
    5th January – 25th January

- ***2019***

  - **MBChB year 5** University of Cape Town (UCT)
    Results pending

  - **Computational neuroscience internship elective**
    4 weeks spent in a computational neuroscience lab at Penn State University (Pennsylvania, USA)

  - **Online Courses (Extra-curricular)**
    Advanced level Calculus, (currently on-going)
    (10-week course Korean Institute of Advacned Science and Maths)
    - Full scholarship awarded
    - Grade: upon completion

    Principal Component Analyses (6-week course Imperial College London, London, UK) – Completed
    - Financial aid pending
    - Grade: In process

- ***2018***

  - **MBChB year 4 (UCT)**
    Year average: 81%
    Distinctions: Internal Medicine, Anaesthesia, Neonatology, Clinical Psychiatry, Public Health (Health in Context), Pharmacology and Therapeutics

  - **Online Courses (Extra-curricular)**
    Linear Algebra (6-week course via Imperial College London, UK)
      - Final grade: 100%

    Multivariate calculus (6-week course via Imperial College London, UK)
      - Full scholarship awarded
      - Final grade: 96%

    Introduction to MATLAB (9-week course via Van Der Bilt University, Tennessee, USA)
      - Full scholarship awarded
      - Final grade 89%

- ***2017***

  - **BSc (Med)Hons Neurophysiology (UCT)**
    Thesis: "Predicting Working Memory Training Engagement in Methamphetamine use Disorder Patients"
    Supervisor: Dr Samantha Brooks
    Course average: 85%
    Accolades: Top student in the Neurophysiology program (Summa Cum Laude)
    Grants: R90 000 funded by UCT Clinical Scientists Bursary

- ***2014 – 2016***

  - **MBChB years 1-3 (preclinical) with additional Molecular Medicine course (UCT)**
    MBChB year 1-3 aggregate: 75%
    Accolades: Top student in the Molecular Medicine Course
    Online education: Biostatistics Course (UCT) – 94% aggregate
    Grants: R30 000 funded by UCT Clinical Scientist Bursary; R 20 000 UCT health science entrance scholarship

- ***2008 – 2013***

  - **High School: Crawford College, Sandton**
    Matric aggregate: 94% with 10 Matric Distinctions
    Additional: Advanced Mathematics via the Victorian Curriculum and Assessment Authority (92%)
    Accolades: Top academic student in the school; White Honours Blazer for the highest achievement in 3 disciplines (Academics, Service, Music, Public Speaking); Flaum Good-fellowship award; Hirschman Leadership award

LEADERSHIP & EXPERIENCE:

- Chairman of the UCT Cortex Club for 2019/2020.
- Head of Research; UCT Internal Medicine Society – 2017/2018; 2018/2019
- Member of SHAWCO rural outreach team
- Former Judiciary Member (head prefect) Crawford College
- Former Executive member of Crawford College
- Former Board member of Interact (Rotary)
- Flaum Leadership accolade awarded in 2013
- Volunteering: 200 hours of volunteer work through various charities and organisations
- Worked as a pharmacy assistant in 2014
- 5 years of experience as a tutor for high-school students

SKILLS & COMPETENCIES:

- Scientific communication
- Statistical knowledge
- Conduct a literature review
- Appraise scientific literature
- Patient interaction
- Adobe Illustrator
- SPSS
- Microsoft Suite
- Basics of JAVA & Delphi programming & App development
- MATLAB
- Understanding of artificial neural networks and machine learning

RESEARCH INTERESTS:

- Translational neuroscience
- Brain-computer interfacing
- Adult and paediatric neurology
- Neurosurgery
- Biophysical signal processing
- Optimization of biomedical systems & processes