file:///C:/Users/asdfghjkl/Documents/resume/template_3317/index.html

Inquisitive, energetic computer science specialist skilled in leadership, with a Avi Bank strong background in High Performance Computing, math, logic, and crossplatform coding. Seeking to leverage solid skills in collaboration, **Computer Scientist** communication, and development as a computational scientist and cluster administrator. Personal Info Experience Website avi-bank.com (working, kind of) 2017 -**HPC Instructor** Phone present University of the Witwatersrand +27 82 048 48 49 E-mail • Trained teams to setup and use a cluster for the national CHPC avibank1@gmail.com Student Cluster Competition • Organised and maintained a cluster, for training and research Date of birth at the Wits Mathematical Sciences Laboratories. 1992-12-23 • Coached teams who placed 2nd and 1st place in the national Programming Languages SCC. (Proficient) Software Testing 2018-06 -Python 2018-08 O C C Development C++ • Responsible for system integration and user space testing of a company's operations program JavaScript • Responsible for communicating status of acceptance-tests Matlab between client and software development team. • Responsible for test design, implementation and reporting. Programming Languages • Created an automated invoice generator based on time logs (Familiar) for my work. Mathematica CSIR, Centre For High Performance Computing 2015-12 VisualBasic 2016-07 CHPC international team member for ISC 2016 Markup & Data Query • Trained teams to setup and use a cluster (3 commercial Languages servers as nodes) for the national CHPC Student Cluster Competition (CSIR) • Organised and maintained an office with 20 commercial GraphQL servers (decommissioned STAMPEDE nodes) for training and HTML | CSS | Markdown experimental use at the Wits University Mathematical LATEX Sciences Laboratories. • Coached teams who placed 2nd and 1st place in the national Systems, Protocols, SCC. Programs & Frameworks Linux Education LDAP Docker MPI 2019 University of the Witwatersrand, Computer Intel Parallel Studio Science, B.Sc Honours Django

VueJS • Advanced courses taught by world class researchers, and NodeJS certainly the best in the country, if not the continent: Excel • Machine Learning Android Computer Vision IOS Digital Image Processing • High Performance Computing Skills Data Analysis and Exploration **System Administration** Reinforcement Learning High Performance Computing Applications of Algorithms Machine Learning • Honours Research: Scaling Automated Machine Learning ARM With Parallel Algorithms Deployed to a GPU Cluster. Nordic Semiconductor Supervisors: H.Wang, T.Celik, M.Woolway **Embedded Systems** Optimisation Numerics 2018 University of the Witwatersrand, Computer Mathematics

Numerics
Mathematics
Pormal Logic
Cryptography
Applied Computational Finance

Interests

Duniversity of the Witwatersrand, Computer Science, Mathematics, B.Sc

Science, Mathematics, B.Sc

• 80 % average (Computer Science)

• Favourite area of study in computer science: Machine Learning

Interests

• Extracurricular project: machine learning integrated IoT sensors in a power meter, for road cycling.

Cyber Security

Music Composition

Piano, Guitar, Cello & Drums

Cycling, Hiking & Climbing

2011

• Extracurricular project: machine learning integrated IoT sensors in a power meter, for road cycling.

• Ran a High Performance Computing course for students

Eden College (NSC)

• 6 distinctions

• Academic honours

• Tennis squad captain

• Head Boy

Cooking & Baking

