Advait Saravade

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3547 West 23rd avenue, V6S 1K2, CAN

EDUCATION

University of British Columbia **Sep. 2016 - present**
Bachelor Degree of Applied Science, Mining Engineering
Relevant course grades: MINE 224 (mineralogy): **83%**, MINE 291 (mining methods): **81%**

Lilavatibai Podar Senior Secondary School **May 2014 - Apr 2016**
Graduating grade: **95%**

SKILLS

Computer & Software

- Big data analysis and statistics
- TensorFlow AI framework
- VisualBasic (VBA)
- Spreadsheet modelling
- Microsoft Office
- Extremely capable at AutoCAD, SolidWorks
- MatLab, Python

Field & Lab

- Mineral Identification
- Floatation froth analysis
- Equipment failure prediction
- Computer based haul truck movement optimization
- SEM analysis
- First aid and lab safety training

STRENGTHS

- Advanced interpersonal *communication* skills
- Strong *computer* skills, highly proficient in Microsoft Office, particularly Excel
- Problem solving *mind-set*: always searching for solutions for potential problems
- *Motivated*, self-starter who can work well independently or within a team
- Extremely *passionate* about mineral processing and mineralogical tools

TECHNICAL PROJECTS

Froth Analysis Challenge – Teck Resources at Unearthed-2017 **Sep 2017**

- Used 5 months of Red Dog Mine data, including froth velocity, bubble size, and depth, as well as circuit process flow diagrams to determine what the optimum float conditions would be.
- Worked with a team of 4 other students to produce a *graphical analysis* of the data along with an improved visualization of such data for operators.

British Columbia Mine Evaluation – KSM Seabridge Project **Sep 2017 – Dec 2017**

- Investigated the KSM Seabridge project's current status as a possible mining venture, which included evaluating its budget, proven & probable reserves, net present value, and other means of valuation.
- Led a team of four other students to produce a succinct and thorough research report.
- Delivered a technical report assessing the feasibility of the project in current economic conditions to UBC Mining Faculty.

Vehicle Driver Awareness – Safety Presentation **Sep 2017 – Dec 2017**

- Researched the various safety issues with respect to vehicle driver alertness while driving heavy machinery on mine sites.
- Prepared and presented a technical presentation of research findings regarding the future technology use in the mining industry.

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WORK

WebCreative Website Agency, Vancouver, Canada **Sep 2017 – present**
Technology & Relations Head
www.webcreative.co

- Created technological solutions for clients using computer programming languages: *Python, JS*.
- Met with team members on a weekly basis to discuss our progress and revise goals.
- Helped make WebCreative a technology partner of the Canadian Real Estate Association.
- Met with clients and sent them proposals tailored to their needs.
- Created database software that displayed real estate information of Canadian homes for sale.

Smokescreen Technologies, Mumbai, India **Jun 2017 – Sep 2017**
Artificial Intelligence Intern
www.smokescreen.io

- Collaborated with team members to find patterns in large volumes of cyber-attack data.
- Developed software to detect cyber-attackers on computer networks used by banks.
- Using Machine Learning and AI to find patterns in cyber-attack types.
- Used latest AI technologies from Google to create tripwires for cyber-attackers.

Persistent Systems, Pune, India **Apr 2014 – Jul 2014**
Application Developer
www.persistent.com

- Lead the Android app design, development, and production for an in-house application
- Using real-time location data and latest GPS technologies
- Scheduling team meetings to discuss projects and application details
- Discussing design decisions with team members and implementing feedback

REFERENCES

To learn more about my character, work ethic, and quality of output, please reach out to me for references from my previous employer – Smokescreen Technologies.

ACTIVITIES AND READINGS

Activities

- Working out at the gym
- Playing badminton
- Teaching myself Spanish
- Reading about computer based innovations

Readings

- *How Mining Works*, by Professor Scott Dunbar
- *Wills' Mineral Processing Technology*, by Barry Wills, James Finch
- *Love and Math*, by Edward Frenkel
- *Elon Musk*, by Ashlee Vance