



ABOUT ME

“A hard-working, diligent individual with enthusiasm for problem-solving. I have strong communication and leadership skills, demonstrated in conference participation, publications, fieldwork, and sports coaching. I am punctual and value the importance of meeting deadlines. Pursuing academia has allowed me to hone my skills as an independent researcher, but I also enjoy working as part of a multi-disciplinary team during industrial and academic projects. Fieldwork programmes in northern Canada, southern Brazil, South Africa, and the United Kingdom have provided me with valuable experience in different climates, each of which present different challenges.”

INTERESTS



Football



Cooking



Hiking



Music

REFERENCES

Prof. Wolfgang Maier
Cardiff University
maierw@cardiff.ac.uk

Mr. Ian Bliss
Northern Shield Resources
ibliss@northern-shield.com

Additional references
available on request

GEOLOGIST

William Daniel Smith



24 July 1995



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Cornwall, United Kingdom



@ExplorePGE



william-daniel-smith



profile/william_smith94



youtube.com/user/WillDSmith7



EMPLOYMENT

- Summer 2018 **Exploration Geologist, Northern Shield Resources**
Exploration for magmatic sulphide occurrences in Canada
- Summer 2017 **Exploration Geologist, Cornwall Resources Limited**
Characterisation of W-Sn-Cu ore deposits in England
- Summer 2016 **Chemical Engineer, Grinding Solutions**
Metallurgical processing for Cu-Pb-Zn ore deposits
- Summer 2016 **Saint Mellion Resort, Cornwall**
Barman, waiter, chef, and events staff
- 2015 - present **Demonstrator, University of Portsmouth & Cardiff**
Teaching units and fieldcourses in geoscience

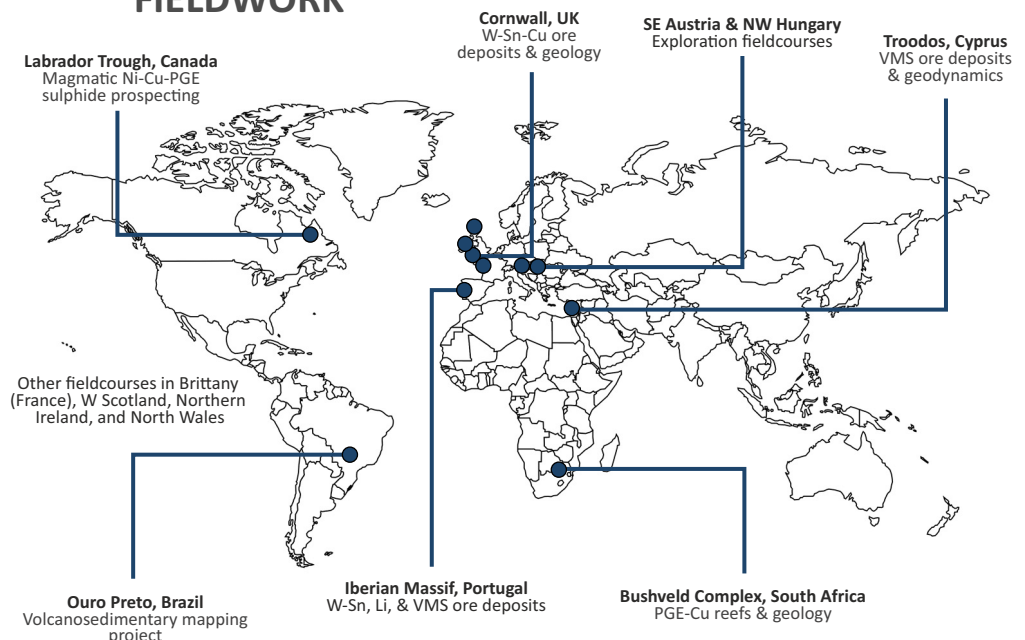


EDUCATION

- 2017 - present **PhD, Cardiff University**
Specialising in magmatic ore deposits
- 2016 - 2017 **MRes, University of Portsmouth**
Specialising in ore deposit geology (76%)
- 2013 - 2016 **BSc (Hons) Geology, University of Portsmouth**
Specialising in geochemistry (78%)
- 2006 - 2013 **Callington Community College and Sixth Form**
Specialising in geography and physical sciences (A* to C)



FIELDWORK



SOFTWARE SKILLS

Microsoft Office	<div></div>	<div></div>	<div></div>
CorelDraw/Inkscape	<div></div>	<div></div>	<div></div>
QGIS/ArcGis	<div></div>	<div></div>	<div></div>
GCDKit/IOGAS	<div></div>	<div></div>	<div></div>
Micromine	<div></div>	<div></div>	<div></div>
Leapfrog	<div></div>	<div></div>	<div></div>
ImageJ	<div></div>	<div></div>	<div></div>
MOVE/fieldMOVE	<div></div>	<div></div>	<div></div>
Global Mapper	<div></div>	<div></div>	<div></div>

PROGRAMMING SKILLS

R & R Studio	<div></div>	<div></div>	<div></div>
LaTeX	<div></div>	<div></div>	<div></div>
Python	<div></div>	<div></div>	<div></div>
Gitbash/Github	<div></div>	<div></div>	<div></div>
Matlab	<div></div>	<div></div>	<div></div>
HTML	<div></div>	<div></div>	<div></div>

FIELDWORK SKILLS

Geological Mapping	<div></div>	<div></div>	<div></div>
Structural data	<div></div>	<div></div>	<div></div>
Rock/Soil sampling	<div></div>	<div></div>	<div></div>
Drill core logging	<div></div>	<div></div>	<div></div>
Portable XRF	<div></div>	<div></div>	<div></div>

ANALYTICAL SKILLS

Mineral separation	<div></div>	<div></div>	<div></div>
Crushing/Milling	<div></div>	<div></div>	<div></div>
Optical microscopy	<div></div>	<div></div>	<div></div>
Electron microscopy	<div></div>	<div></div>	<div></div>
LA- & MC-ICP-MS	<div></div>	<div></div>	<div></div>
X-Ray diffraction	<div></div>	<div></div>	<div></div>
SIMS/CA-ID-TIMS	<div></div>	<div></div>	<div></div>

TRANSFERABLE SKILLS

Written comm.	<div></div>	<div></div>	<div></div>
Public speaking	<div></div>	<div></div>	<div></div>
Critical thinking	<div></div>	<div></div>	<div></div>
Time management	<div></div>	<div></div>	<div></div>
Leadership	<div></div>	<div></div>	<div></div>
Teamwork	<div></div>	<div></div>	<div></div>
Self motivation	<div></div>	<div></div>	<div></div>
Punctuality	<div></div>	<div></div>	<div></div>
Teaching	<div></div>	<div></div>	<div></div>
Adaptability	<div></div>	<div></div>	<div></div>
Organisation	<div></div>	<div></div>	<div></div>

Basic
Intermediate
Proficient



ACHIEVEMENTS

- 2019/20 Graduate Tutor of the Year finalist, Cardiff
- November 2020 Nickel Symposium presentation commendation
- (£600) 2020 Geologists' Association Grant Recipient
- 2017/21 CASE NERC DTP PhD research grant
- (£4,000) 2017 Stewart R. Wallace SEG fieldwork grant
- (£500) 2016/17 Mineralogical Society postgraduate bursary
- (£2,500) 2016/17 Hugh McKinstry SEG research grant
- (£3,000) 2016/17 University of Portsmouth postgraduate scholarship
- 2013/16 University of Portsmouth highest averaging student
- February 2016 TSG national mapping finalist
- July 2015 PESYB undergraduate mapping sponsorship



QUALIFICATIONS/CERTIFICATES

- 2021 GIS tutor for UNESCO workshops
- January 2020 Electron microscopy, Camborne School of Mines
- April 2018 Exploration geochemistry, Camborne School of Mines
- March 2018 Exploration geochemistry and ore microscopy, Freiburg
- March 2018 Midland MOVE and FieldMOVE workshop, UK
- December 2017 Micromine workshop, London
- April 2017 Exploration geochemistry & sampling, Hungary
- 2016-present STEM ambassador
- 2016-present Full clean UK driving license



SOCIETIES/CONFERENCES

- 2016-present SEG Student Chapter (Cardiff, Portsmouth, & UK)
President, Vice-President, & Treasurer
Organised national/international fieldtrips & events
- 2018-2019 Applied Mineralogy Group
Newsletter editor & representative
- 2015-present Student member: GASS, IOM3, MinSoc, GeoSoc
SGA, SEG, & MDSG
- 2016-present Conferences: Pt (2018) & Ni (2017) Symposium,
FINEX19, PETEX17, SGA 2020, MDSG, & GASS



RESEARCH OUTPUTS

Smith, W. D., et al. "Element mapping the Merensky Reef of the Bushveld Complex." Geoscience Frontiers (2021).

Smith, W. D., et al. "The geology, geochemistry, and petrogenesis of the Huckleberry Cu-Ni-PGE prospect in the Labrador Trough, Canada: Perspectives for regional prospectivity." Ore Geology Reviews (2021)

Smith, W. D., et al. "Contact-style magmatic sulphide mineralisation in the Labrador Trough, northern Quebec, Canada: Implications for Regional Prospectivity." Canadian Journal of Earth Science (2020)

Smith, W. D., et al. "Zircon perspectives on the age and origin of evolved S-type granites from the Cornubian Batholith, Southwest England." Lithos (2019)