

Curriculum Vitae

of

Nicholas Bai Berg

Citizenship

Australian Citizen (Place of birth: Canberra ACT)

Estonian Citizen (Dual Citizenship)

Skills Summary

- Practiced in numerous chemical analytic techniques including
 - Spectroscopy (AAS, IR, ICP-MS, NMR, UV-VIS, XRF)
 - Microscopy (Optical, SEM, TEM, including slide preparation)
 - Preparation of metal complexes, organic synthesis,
 - Qualified User of Australian Synchrotron SAXS/WAXS Beamline
- Excellent written and verbal communication skills
- Proven ability to work with confidential information
- Receptive to feedback, eager to learn and improve
- Able to work around demanding schedules
- Highly competent at abstract and complex problem solving
- Dedicated and enthusiastic about scientific endeavour
- Familiar with professional responsibility, leadership roles, and duty of care

Research

- Harvard University BIOMOD 2014 (Grand Prize Winner)
 - Fast Ebola Detection through DNA nanostructures (Supervisor: Lawrence Lee)
- University of Sydney Summer Research Scholarship 2012/2013
 - Novel Bio-Inorganic Anti-Cancer Agents (Supervisor: Michela Simone and Trevor Hambley)
- Macquarie University CBMS Vacation Scholarship 2011/2012
 - Organic Synthesis of Ageladine A (Supervisor: Professor Peter Karuso)

Education

Tertiary

- Bachelor Science (Chemistry), University of Sydney 2011-2017
 - Majors: Chemistry (Advanced)
 - Partial completion of majors in Physics and Archaeology
 - Tohoku Summer Science Program at Tohoku University (Japan)
 - Commenced and completed in 2012 (Materials Science)

Secondary

- Attended Sydney Grammar School 2005-2010
 - Completed HSC in 2010 with ATAR score 98.05
 - Significant extracurricular involvement (sports captain, teaching animation)

Employment History

- Victor Chang Cardiac Research Institute 2014
 - DNA Origami, Synthesis of Nanomachines for Detection of Ebola Virus
 - Volunteer Researcher, Lee Group,
- National Measurement Institute: Australian Sports Drug Testing Laboratory 2013
 - Year In Industry Student, Research,
 - Full time position involving process development, database management, Mass Spectrometry
- Debating: multiple positions including
 - Adjudicator Sydney University inter-college debating competition 2012
 - Adjudicator of AHIGHS Archdale Competition 2012-2014
 - Coaching Premiership Teams for Sydney Grammar School 2011-2013, 2016
 - Coaching at Sydney Girls High School 2011
- Coach of Rifle Shooting (Target Shooting) at Sydney Grammar School 2011 and 2013
 - Required high levels of responsibility, both in supervising and equipment maintenance
- Attended 2012 Consumer Electronics Show (CES) as member of Basind contingent
 - Utilising technical expertise and negotiation skill in a professional context.
- Member of IT computer rollout team 2009
 - Involved supervising a team, trusted with “master key” security access
- Private Tutor
 - Tutor of Maths Extension 2 2011-2016
 - Tutor of HSC Chemistry 2011-2016
- Attended Consumer Electronics Show (CES) as member of Basind contingent 2012

Debating

- Numerous Adjudicating roles including World’s University Debating Championship 2016
- Represented University of Sydney Union (Sydney University) at National and International Level

Clubs and Societies

- Treasurer of Sydney University Archaeological Society 2011
- Treasurer of Sydney University Bridge Club 2012
- Assistant Treasurer of Sydney Rifle Club Inc.
- University of Sydney Union Debates Committee Member 2015-2016

Charities

- Organiser of Charity events (Charity LAN) 2008-2010

For additional details, documentation, or any questions please contact me.

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Thank you for your consideration