


borispfahringer

computer science / mathematics

about

bpnzlt@gmail.com
+49 (1523) 6272327
 Austrian Citizen

languages

Fluent in
English & German

programming

Python, C++, Java

education

- 2014–2016 **Masters in Mathematical Modelling** (GPA: 3.58 / 4) UAB (MathMods)
Title: *End-to-end Music Genre Recognition using Deep Neural Networks*
Supervised by: Dr. Beat Gfeller (Google), Dr. Aurelli Alabert (UAB)
A multi-disciplinary program in mathematical modelling, divided between the five universities of the MathMods consortium, each one offering a different specialisation. I completed the Stochastic Modelling and Optimization specialisation offered by the Autonomous University of Barcelona, and wrote my thesis while an intern at Google Zürich.
- 2010–2014 **Bachelor of Computing and Mathematical Sciences with First Class Honours**
University of Waikato

experience

- 2017–now **Data Scientist** Deutsches Hertz Zentrum Berlin
Research the use of predictive models to assist patient care in the post-surgical ICU. (Python, Tensorflow)
- 2016–2017 **Software Engineer** think-cell GmbH
Reimplementing the graphics stack, used for the display of custom UI elements, in DirectX 10. (C++)
- 2016 **Software Engineering Intern** Google Zurich
Applying deep neural networks to music genre recognition and music tag prediction. (Python, TensorFlow, C++)
- 2014 **Software Engineering Intern** Google New York and Google Mountain View
Analysing and extending the capabilities of Google Search using semantic parsing techniques. (C++)
- 2012–2013 **Software Engineering Intern** Google Australia
Development on the Google Maps Android API and small contributions to Google Maps for Android. (Java, GLSL)
- 2011–2012 **Research Assistant** University of Waikato
Developed a compiler and IDE for the research language JStar, currently being used to teach Extremely Parallel Programming at the university. (Java/Xtext)

referees

Beat Gfeller Research Scientist, Google
email: gfbeat@gmail.com

Bill MacCartney Managing Director, BlackRock
email: bill.maccartney@gmail.com

honours

- 2014 Erasmus Mundus Scholarship MathMods
2013 University Scholarship The Freemasons Charity
2010–2012 Dean's Awards for Excellence (x3) University of Waikato
2011 Millennium Prize in Mathematics University of Waikato
2009–2010 Two Bronze Medals International Olympiad in Informatics

