

Konrad Aust

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References Available upon request

EDUCATION

UNIVERSITY OF CALGARY

BSC IN COMPUTER SCIENCE

Expected Dec 2016 | Calgary, AB
Department of Computing Science
Information Security Concentration
Cum. GPA: 3.86 / 4.0
Major GPA: 3.96 / 4.0

WESTERN CANADA HIGH

Grad. June 2012 | Calgary, AB

COURSEWORK

UNDERGRADUATE

Artificial Intelligence
Assembly Language Programming
Biological/Emergent Computing
Compiler Construction
Cryptography
Data Structures and Algorithms
Database Management Systems
Functional Programming
Network Security
Networking
Operating Systems
Software Engineering Strategies
Systems Modeling and Simulation
Viruses and Malware

SKILLS

PROGRAMMING LANGUAGES

In order of familiarity

Java • C# • C • Python • x86 Assembly
• SQL • Bash • Javascript • C++ • Haskell
• Golang • \LaTeX • Prolog • ARM Assembly
• Lua • Powershell • MATLAB

OTHER PROFICIENCIES

Linux, Windows, and FreeBSD • RESTful
Web Services • Continuous Integration
• Test Driven Development • Amazon Web
Services • Saltstack • RabbitMQ
• Atlassian JIRA, Stash, Confluence,
Fisheye/Crucible • Git • Subversion
• Agile/Kanban • RabbitMQ

EXPERIENCE

MATRIX SOLUTIONS INC SOFTWARE DEVELOPMENT INTERN

June 2012 – September 2015 | Calgary, AB

- Software Services team for an environmental consulting firm
- Recurring Summer Internship Position
- Worked on a variety of projects
 - Client Data Portal - A map-oriented Silverlight Web Application for surfacing oil pipeline data to clients
 - Matrix Toolbox - A Windows WPF Tray application allowing employees to perform administrative tasks
 - Toolbox Plugins - Modular plugins for the Toolbox application, allowing selected users to process invoices, request equipment, and manage scientific data
 - Core Data Service - An internal RESTful database-as-a-service application written in C# .NET
 - Large database management and migration projects, including migration of metadata-heavy image assets and GIS Data
 - Light Systems Administration work - Group Policy management, provisioning and controlling Linux servers using Saltstack, updating and managing Wordpress themes and databases
- Used Agile, Continuous Integration, Test Driven Development, and Pair Programming strategies
- Created detailed notes and documentation so others could work in my absence

MATRIX SOLUTIONS INC HELPDESK INTERN

June 2011 – September 2011 | Calgary, AB

- Provided technical support to employees, locally and remotely
- Delivered software and hardware upgrades
- Provisioned and assembled workstations
- Performed basic data recovery, backup, and restoration
- Managed and organized a large stock of IT Equipment

ACADEMIC

COMPUTER SCIENCE UNDERGRADUATE SOCIETY VP FINANCE

September 2015 – April 2016 | University of Calgary

- Hosted and managed finances for numerous Computer Science events
- Managed sponsorship money and prize payouts for a Hackathon
- Provided administrative support to the Computer Science Makerspace
- Gave homework help and academic advice to undergraduate students

SCHOLARSHIPS AND AWARDS

2012 - 2016	University of Calgary Faculty of Science Dean's List
2012 - 2016	Jason Lang Memorial Scholarship
2012 - 2015	Tyler Swaren Memorial Scholarship
2012	Alexander Rutherford Scholarship
2011	Keith Yu Memorial Scholarship in Computer Science