

VINCENT R. FILBY

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EDUCATION

M. Sc. Computer Science – Sensor Design for Autonomous Robots

University of Guelph • Expected completion Dec. 2005

B. Computing Honours – Software Engineering and Computer Theory

University of Guelph • 2003

TECHNICAL SKILLS

- Experienced with C, Java and Python
- Proficient with XHTML, CSS and PHP
- Developed applications and websites using MySQL and Oracle
- Developed under Windows 2000/XP, Mac OS X and Unix systems
- Accomplished team developer using revision control (CVS and Subversion)
- Familiar with design practices such as UML, requirements analysis and design documentation
- Possess a working knowledge of Visual Studio and XCode

EXPERIENCE

Teaching Assistant

Jan. 2000 – Dec. 2005

University of Guelph • Guelph, ON

- Prepared and taught material for beginner to advanced programmers including: ANSI C, debugging techniques, software design practices, programming concepts and style
- Responsible for holding consultation hours and providing support via email
- Graded programming assignments for correctness and style

Assistant Administrator

May 2000 – Sept. 2001

University of Guelph • Guelph, ON

- Setup and maintained 300 dual boot Redhat Linux/Windows 2000 systems
- Responsible for network cabling and configuration
- Repaired and replaced faulty hardware across the system base

Research Assistant

May 1999 – May 2000

Dr. I. Scott MacKenzie • Guelph, ON

- Created software to track input with a stylus, providing accurate input statistics
- Designed and implemented experiments using mobile computing products, in order to improve accuracy and speed of input using a stylus
- Collected long term experimental data on 25 participants and analyzed the results using statistical methods

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UNDERGRADUATE EXPERIENCE

Software Engineering (CIS*3200) • Group Project

Winter 2001

Dr. Deborah Stacey • University of Guelph

- Member of a 7-person team that designed and implemented an online flight management system (20 000+ lines of code)
- Used requirements analysis and design documentation to develop the system
- Created a testing framework to minimize code flaws

Computer Graphics (CIS*4800) • Group Project

Winter 2002

Dr. David Calvert • University of Guelph

- Worked with 3 other students to develop an 3D modeling system for Windows XP, using Visual Studio and OpenGL
- Responsible for the application layer including the GUI and embedding OpenGL into a windows application

VOLUNTEER

Systems Administrator

May 1999—Dec. 2003

Computer Science Club • University of Guelph

- Managed servers supporting 400 users and provided them with NIS, NFS, DNS and virtual hosting
- Responsible for maintaining system security using log analysis, firewalling using ipchains and upgrading the security systems as necessary
- Directed and trained assistant system administrators

Webmaster

Sept. 1998—May 1999

Computer Science Club • University of Guelph

- Used Perl and C CGI scripts to create an easily maintainable dynamic website for 400 users
- Worked as a team with a graphic artist to create a comprehensive, professional website
- Performed market analysis on the user base in order to improve website use and accessibility

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REFERENCES

Dr. Deborah Stacey • M.Sc. Supervisor

Office: (519) 824-4120 Ext. 52651
Department of Computing and Information Science
University of Guelph

Dr. Fei Song • TA Supervisor

Office: (519) 824-4120 Ext. 58067
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University of Guelph

Neil Harvey • Personal Reference

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