

Christopher W. Bowron

2198 Quarry Road • East Lansing, MI 48823 • 734-926-9766 • chris@bowron.us

◁ Summary ▷

Software developer with 8 years of experience and a Master's degree in Computer Science

◁ Experience ▷

TechSmith Corporation – Okemos, MI *(December 2005 – Current)*

- Senior Software Engineer - TechSmith Labs research group *(November 2011 – Current)*
 - Developed prototype Android apps
- Software Engineer - TechSmith Labs research group *(March 2008 – November 2011)*
 - Created prototype screen recorder using the H.264 encoder in Windows Media Foundation for Windows 7
 - Developed TechSmith Screen Codec 2 as part of a five developer team
 - Developed prototype iOS and Android apps
 - Built prototype media encoder server and client using Amazon Web Services including S3, EC2 and SQS
 - Investigated new technologies related to screen capture and multimedia applications
- Software Engineer - **Camtasia Studio**, Morae *(December 2005 – March 2008)*
 - Developed Commercial software using C++, MFC and Qt on a Windows platform
 - Designed and implemented the “lock to application” feature of Camtasia Recorder making it easier for users to record applications at a particular dimension
 - Developed the recorder backend required for Camtasia SmartFocus
 - Worked on various features of Camtasia Studio and Camtasia Recorder

IC Tech, Inc. – Okemos, MI *(May 2003 – December 2005)*

- Software Engineer using Visual C++ with MFC, VBA, and Matlab
- Expanded suite of tools for automated testing of speech recognition engines
- Research on computer vision and speech processing projects

◁ Skills ▷

Programming Languages: C, C++, Racket, Scheme, Objective-C, Java, Common Lisp, Python, Perl, Matlab, Assembly (SPARC, MIPS, x86, Z80)

Operating Systems: Microsoft Windows, Mac OS X, Android, iOS, Linux, Solaris, QNX

Tools: Visual Studio, Team System, Xcode, GNU Compiler Collection, Emacs, L^AT_EX, Subversion, Eclipse, Android SDK, Android NDK

Libraries: Microsoft Foundation Classes, Qt, SQLite, OpenGL, Intel C++ Intrinsics

◁ Personal Projects ▷

pspChess - Open source chess for Sony Playstation Portable

Schemep3 - Cross platform mp3 player and organizer written in PLT Scheme

Jukey - Jukebox app for Android tablets

◁ Publications ▷

Adaptively Routing P2P Queries Using Association Analysis. Brian D. Connelly, Christopher W. Bowron, Li Xiao, Pang-Ning Tan, and Chen Wang. 2006 International Conference on Parallel Processing (ICPP-06: 281-288)

◁ Education ▷

M.S. Computer Science, Michigan State University, May 2005

B.S. Computer Science, Michigan State University Honors College, May 2001. Philosophy cognate