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| 123 Spruce St, Apt 35  Philadelphia PA 19103 | **Gayle L. McDowell** | | | (555) 555-1212  gayle@careercup.com |
| **Employment** | | | | |
| **Software Engineer, Intern** | **Apple Computer** | | | Summer 2004 |
| iChat AV   * Reduced time to render the user’s buddy list by 75% by implementing prediction algorithm. * Implemented iChat integration with OS X Spotlight Search by creating tool which extracts metadata from saved chat transcripts and provides metadata to a system-wide search database. * Redesigned chat file format and implemented backwards compatibility for search. | | | | |
| **Lead Student Ambassador** | Microsoft Corporation | | | Fall 2003 – Spring 2005 |
| * Promoted to Lead Student Ambassador in Fall 2004; supervised 10 – 15 Student Ambassadors. * Created and taught Computer Science course, CSE 099: Software Design and Development. | | | | |
| **Head Teaching Assistant** | **University of Pennsylvania** | | | **Fall 2001 – Spring 2005** |
| * Courses: Advanced Java III, Software Engineering, Mathematical Foundations of Computer Science I & II. * Promoted to Head TA in Fall 2004; led weekly meetings and supervised four other TAs. | | | | |
| **Software Design Engineer, Intern** | | Microsoft Corporation | Summers 2001 - 2003 | |
| Visual Studio Core (Summer 2003)   * Implemented a user interface for the VS open file switcher (ctrl-tab) and extended it to tool windows. * Created service to provide gradient across VS and VS add-ins. Optimized service via caching.   Programmer Productivity Research Center (Summers 2001, 2002)   * Built app to compute similarity of all methods in a code base; reduced time from O(*n*2) to O(*n* log *n*). * Created test case generation tool which creates random XML docs from XML Schema. | | | | |
| **Education** | | | | |
| **Philadelphia, PA** | **University of Pennsylvania** | | | **Fall 2000 – May 2005** |
| * M.S.E. in Computer and Information Science, May 2005. GPA: 3.6 * B.S.E. in Computer Science Engineering with Minor in Mathematics, May 2005. In-major GPA: 3.4. * Graduate Coursework: Software Foundations; Computer Architecture; Algorithms; Artificial Intelligence; Comparison of Learning Algorithms; Computational Theory. * Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Engineering Entrepreneurship; Calculus III. | | | | |
| **Technical Experience** | | | | |
| **Projects** | | | | |
| * **Multi-User Drawing Tool** (2004). Electronic classroom where multiple users can view and simultaneously draw on a “chalkboard” with each person’s edits synchronized. C++, MFC * **Synchronized Calendar** (2003 – 2004). Desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users. C#.NET, SQL, XML * **Operating System** (2002). UNIX-style OS with scheduler, file system, text editor and calculator. C | | | | |
| **Additional Experience and Awards** | | | | |
| * **Instructor (2003 – 2005):** Taught two full-credit Computer Science courses; average ratings of 4.8 out of 5.0. * **Third Prize, Senior Design Projects:** Awarded 3rd prize for Synchronized Calendar project, out of 100 projects. | | | | |
| **Languages and Technologies** | | | | |
| * C++; C; Java; Objective-C; C#.NET; SQL; JavaScript; XSLT; XML (XSD) Schema * Visual Studio; Microsoft SQL Server; Eclipse; XCode; Interface Builder | | | | |