Noel Weichbrodt : Contact

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Key Employment Experiences

Software Developer, Northrop Grumman Information Technology Intelligence (TASC)

Writing web apps for the intelligence community

Summer 2006-Present
Responsibilities & Accomplishments With vision from chief architect, upgraded key internal library API (including custom RSS library) to support business expansion into software-as-service in .NET 3.0. Working with management, lead two web applications for the intelligence community from initial requirements through version 2.0, resulting in minor contract wins for the company. Gained experience in project management using Scrum and Spiral methodologies within an office certified as CMMI-Level 5. Assisted with interviews for potential new programming hires, and a member of the office-wide .NET common framework working group.
Awards Two TAP awards for exceptional performance.

Application Developer, Miller & Martin PLLC

Writing software for a law firm

Summer 2004-Summer 2006
Responsibilities & Accomplishments Delivered line-of-business applications to major stakeholders of the firm's business. Assisted in all aspects of analysis, design, and coding of a full rewrite of an in-house, three-tier Client-Resource-Management software. Utilized technologies such as Microsoft Office Managed-Code Add-ins, T-SQL, ASP.NET, C#, and VB.NET to provide custom-fit solutions to business needs. Gained an excellent grounding in requirements specification, object-oriented design/programming praxis, and code-foo.

Editor in Chief, *The Bagpipe*

Editing a college newspaper

Fall 2002-Spring 2003
Responsibilities & Accomplishments As Editor in Chief of the Covenant College student newspaper under Doctor Clifford Foreman, I was responsible for creating and sustaining a worthy, accurate, engaging, and intelligent bi-weekly newspaper, targeted to and funded by the student body. In charge of a news staff consisting of sixteen-odd people from diverse backgrounds and differing views, I both managed the staff and harmonized the many opinions into a coherent news product. Dealt with many technical issues ranging from simple hardware troubleshooting to outputting proper postscript files for the printer. I was also the art director for the newspaper, responsible for the look of every issue as well as the actual graphic production, with assistance.

Pendergraphics Design Group

Designing websites and print materials for a small creative agency

Summer 1999 - Summer 2001
Responsibilities & Accomplishments Intern (Summer 1999), Production Designer (1999), and Web Developer (2000 on). Brought a successful design firm into the digital age as their chief web developer. Lead numerous projects from conception to design to final implementation. See portfolio below for an example project. Technical accomplishments included learning and applying Flash and Javascript to create dynamic web pages, and interfacing a .edu website with a mysql database for dynamic content and pages.

;) inc Consulting

Helping old ladies use their computers well

1996-2000
Responsibilities & Accomplishments Started my own small consulting firm focused on computer hand-holding and technical, at-home support. Made my own cool business cards, met some nice people, generated extra cash.

Qualification Highlights

I want to support research through software modeling and simulation. Or just write user-pleasing, elegant code in a small, sharp team for good customers.

- **Able to take technical leadership for projects and successfully lead them through a full life-cycle, including multiple deliveries, while not working overtime.**
- **Brutally honest; incisive questioner.**
- **Strong analytic background melded with creative design abilities.**
- **Leads in adopting better development practices and patterns (eg Scrum, design patterns, unit**

testing).

- Able to competently use industry-standard languages and methodologies, and quickly acquire new abilities.
- Academic research interests: Algorithmic theory, modeling, Alife, complex/emergent systems, the game of go, security & cryptography, and Human-Computer Interaction.
- Outside interests: World history, economics, community development, criticism, sci-fi, jazz.
- Full Employment History, References, and Letters of Recommendation available upon request

Education

Washington University in St. Louis

2007-present
Cumulative GPA: 3.0
Enrolled as Masters in Computer Science with part-time status graduating in 2012.
Key classes Formal Languages and Autonoma, Artificial Intelligence, Mobile Computing

Chattanooga State Technical Community College

2005
Statistics II, Prof. Azar Raiszadeh

Covenant College

2000-2004
Honors: Maclellan Scholar (2000-2004)
Cumulative GPA: 3.3, Major GPA 3.45
Majors: B.A. in Information & Computer Science, B.A. in Philosophy.
Key classes Formal Logic, Philosophy of Science, Philosophy of Math, Operating Systems, Programming Languages, Software Engineering.
Senior Thesis topic "Post-AI: Evidence of a Paradigm-Shift in the Program of Artificial Intelligence"
Club Memberships Student Member, Covenant College ACM Student Chapter Member, Covenant College Philosophy Club Member

Outside Projects & Experiences

Mediawiki Responsible to setup, deploy, and maintain several Mediawiki installations for various non-profit and educational communities on Linux-based web servers using MySQL backend. Active contributor to several mediawiki-based wikis, including internal Northrop Grumman wiki and Wikipedia.
hood Code contributor to hood, open-source social geotagging application on the Android mobile platform. Written in Java and using the Android mobile platform API, hood lets you add social geo-tagging to your existing social networks like Facebook and Twitter. hood uses RESTful web service APIs exposed by popular social networking sites to add geospatial data and metadata tags to the users activities.

Professional Skills & Credentials

Computer Languages Fluent in C# (1.0-3.0), VB.NET, T-SQL, Javascript, HTML, CSS, and LaTeX; conversant in Java, C, and XML
Computer Programs Fluent in Visual Studio.NET (2003-2008), subversion, Sharepoint 2007, TextMate, Visual Source Safe, Adobe Photoshop, and Notepad. Conversant in the rest of the Adobe Design Suite, gcc, mediawiki, Apple ProjectBuilder, Eclipse, emacs, MySQL, IIS, Active Directory, and SQL Server 2000-2005.
Development Methodologies Scrum, UML, RUP, CMMI, Iterative, Spiral, Waterfall.
Professional Memberships ACM (Association of Computing Machinery)

Foreign Languages Conversant in Spanish, reading and writing comprehension of Classical Greek