Shaun Pedicini

Professional Developer / Software Consultant (Specular Realms LLC)

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EXPERIENCE

Specular Realms LLC, Nashville TN — *Founder*

Aug 2020 - Aug 2021

- ❏ Microcontroller programming using Arduino / low-level C
- ❏ 3D modeling and IK animation in Blender

Stateside Study LLC, Atlanta GA — *Cofounder*

Jan 2019 - Dec 2020

- ❏ Node.js / Express web API developing RESTful services for automated localization between Chinese and English

Apogee Interactive, Stone Mountain GA — *Senior Engineer*

November 2015 - May 2020

- ❏ Developed regression-based heuristics to assist in prediction of homeowners monthly energy bills
- ❏ Interfaced with mailchimp to handle high volume emails to clients according to relational rules and triggers

Dominion Enterprises, Nashville TN — *Software Engineer*

July 2012 - August 2013

- ❏ Server-side development in MVC / C#
- ❏ Front-end Javascript / REST services
- ❏ Test automation using Selenium

Sage Software, Duluth GA — *Associate Software Engineer*

June 2005 - September 2006

- ❏ Contact synchronization between Peachtree Accounting Software and Microsoft Outlook
- ❏ Mail merge feature in Peachtree support for full-fledged tables
- ❏ Creation of in-house application "Pandora" to allow QA department to automate tests against managed binaries

Tricord Solutions, Nashville TN — *Programmer*

January 2001 - August 2003

- ❏ Ported CAD software Cam Designer from Visual Basic for DOS to Windows
- ❏ Vbscript plugin export to Mastercam 9 for CNC manufacturing

SKILLS

Microsoft .NET / Entity Framework

Desktop / WinForms Development

ASP.NET MVC / Razor

SQL Server / MySQL / Postgres

Javascript / Typescript / Node.js / Electron

Python 2/3

Git / Microsoft TFS

Agile Scrum / Jira

REST / Express / SocketIO

Amazon AWS

WordPress

Linux / Bash / Apache

HONORS

Georgia HOPE Scholarship

Dean's List

Presidential Scholar

CERTIFICATIONS

CELTA Certification

Microsoft C# 70-483

LANGUAGES

English

Mandarin Chinese

EDUCATION

國立政治大學華語文教學中心, Taipei Taiwan

September 2011 - December 2012

Chinese Language Studies

University of Georgia, Athens GA — *B.S. Computer Science*

August 2001 - June 2005

Overall GPA : 3.5/4.0

SIDE PROJECTS

Tower of Babel — *Chinese Language Learning Application*

Language learning toolkit written in C# with a backend SQLite database, featuring a comprehensive Chinese database, and a Chinese reader which leverages natural language parsing to enhance dialogue and translations.

Heimdall — *System File Watchdog*

System tray application leveraging Kernel32 APIs to unobtrusively monitor select folders or paths for modifications and revisions over time.

Sands of Time — *Parental Reporting System*

Tracks user's usage habits on a computer and allows parents or administrators to set limitations by day and duration which can be filtered by normal applications or the internet. Employs customized USB dongles to allow for secure access by owners.

ADDITIONAL WORK EXPERIENCE

BKC International House, Moscow Russia — *ESL Instructor*

January 2014 - October 2014

- ❏ Taught adult and teenager classes according to student-centric CELTA methodology
- ❏ Seminars on optimizing education through technology

Kojen English Center 科見美語, Taipei Taiwan — *English Teacher*

September 2008 - September 2011

- ❏ Adult classes in English with an emphasis on practical conversation and grammar.
- ❏ Technical English for professionals (PTS Television, Trend Micro)

Georgia Center for Assessment, Athens GA — *State Rater*

March 2007 - April 2007

- ❏ Assessed 5th grade writing at the state level according to standardized domains