Terence Sperringer, Jr.

Linked in: http://www.linkedin.com/in/tsperringerjr
Portfolio: http://sites.google.com/site/maverickloneshark/

E-mail: terence.sperringer.jr@gmail.com
Phone: 724-650-4302

Qualifications

Summary: Professional developer devoted to touching people's lives through interactive experiences

Languages: English, Intermediate level Japanese

Recent Technologies: C++, C#, Bash, Git, JIRA, Unity, Windows

Experience

Bohemia Interactive Simulations — Orlando, FL — 2019 - present

Software Engineer

Blue IG
 C++, C#, Git, SVN, JIRA, Windows

- Designing and developing software
- Reviewing, debugging, and refactoring code
- Project management, bug-reporting, and time estimation via JIRA issue tracker
- Employing Agile software development methodologies (scrums, kanban, sprint retrospectives & planning, task analysis)
- Utilizing Git & SVN source control versioning systems

University of Pittsburgh — Pittsburgh, PA — 2014 - 2019

Software Developer

Department of Biomedical Informatics
 C, C++, Java, JavaScript, HTML, CSS, JQuery, Bash, Slurm, Mapbox, Git, Windows, Linux

- Designing and developing software
- Creating user documentation
- Debugging and refactoring code
- Participating in daily scrums, client meetings, and planning meetings
- Managing git code repositories

SPEWMap
 HTML, CSS, JavaScript, JQuery, Java, C, C++, Bash, Slurm, Mapbox

- Designed and developed front-end for SPEWMap web application
- Engineered pipeline for parallel processing CSV data into map tiles
- Managed Slurm batch jobs for running multiple processes in Pittsburgh Supercomputing Center

FRED for Cygwin Installer
 NSIS (Nullsoft Scriptable Install System), Cygwin

- Created Cygwin-based installer for FRED (Framework for Reconstructing Epidemiological Dynamics)

EpiCaseMap (Epidemic Cases Map)
 HTML, CSS, JavaScript, JQuery, Java, Mapbox, Play! Framework

- Designed and developed front-end for EpiCaseMap web application

Apollo Location Services
 HTML, CSS, JavaScript, JQuery, Java, Mapbox, Play! Framework

- Developed front-end for Location Services web application

GREE International — San Francisco, CA — 2012

Games Integration Engineer

Sales Engineering
 JavaScript, C#, Unity, GREE Platform SDK

- Assisted high priority clients by communicating via Skype, meeting clients in person, researching and suggesting methodologies for analytics, and play-testing apps to be reviewed for the Apple Store and Google Play Store
- Created sample code and Unity3D demos to help third party developers integrate GREE's platform into their games as well as to assist in debugging client issues
- Assisted with internal support by reporting discovered issues, creating internal development requests, and resolving problems when capable of preventing unnecessary escalation

Carnegie Mellon University Entertainment Technology Center   Pittsburgh, PA   2010 - 2012

Staff Engineer

Creative Services: Kindworks
HTML, CSS, JavaScript, MySQL, PHP

- Designed and queried database, and programmed scripts for altruistic online community website

Creative Services: School of Music Social
Unity, C#

- Modified a Microsoft Kinect game for the CMU School of Music's centennial anniversary social

Creative Services: SIGMA
Unity, C#, JavaScript

- Programmed multiplayer networking and database access plugin for a team-run factory simulation
- Assisted development of gameplay and interface elements

Creative Services: ARGo
Ruby on Rails, SQL, Haml

- Completed development of an user-based, content-driven, educational mobile phone app

Creative Services: Oceanus
C, C++, OpenCV, Unity

- Prototyped an interactive crowd camera experience for the 2012 World Expo in Yeosu, South Korea
- Traveled to Osaka, Japan to hand off project (three weeks' stay)

Creative Services: Intermediate Unit 1
C#, Microsoft Silverlight

- Programmed an interactive early education app for the SMART Technologies SMART Table

University of Pittsburgh   Pittsburgh, PA   2004 - 2009

Work Study Program

Office of Experiential Learning
Junior Database Administrator

Computer Science Department: Faculty
Teaching Assistant

Psychology Department: Smoking Research Group
Research Assistant

Computer Science Department: Staff
Graduate Office Assistant

Psychology Department
Website Administrator / Office Assistant

Electrical and Computer Engineering Department
Computer Laboratory Assistant

Education

University of Pittsburgh   Pittsburgh, PA   2010

Bachelor of Science in Computer Science
Bachelor of Arts in Japanese Language and Culture
Certificate: East Asian Studies

Temple University Japan   Tokyo, Japan   2007

Study Abroad