

Marcus McCurdy

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Experience

Drexel University

PHILADELPHIA, PENNSYLVANIA

Research Engineer

Apr'09 – Present

- Performed background research and drafted a proposal for an internal R&D online learning project focusing on integrating artificial intelligence into Drexel's online courses. Proposal after research was approximately \$700,000 under initial estimates and was presented to the president of the university.
- Technical lead on a US Army funded Android development project. Assessing the feasibility of and implementing agent based networking applications. Also created scenarios for testing and evaluation of networking protocols and performed the evaluations.
- Team lead in the design and implementation of a distributed collaborative battle command planning system for the US army. Oversaw and mentored junior developers during the project while working closely with the lead system integrator to deliver a premium product. Integrated the final product with systems from French and German allies. Extensive use of Swing and NASA's World Wind.
- Designed and implemented an HTTP proxy in C# for a biometrics fingerprint scanner and web-server. The proxy was for both the client application of the fingerprint scanner and the webserver for matching and enrolling biometrics data. The proxy enables the client and server to use an in house pure C content based networking middleware.

NSWC PHD

PORT HUENEME, CALIFORNIA

Combat System Engineer

Jul'07 – Apr'09

- Responsible for installation and configuration of remote assistance systems on US Navy cruisers and destroyers. Remote system saved time and money by allowing shore based experts to provide remote support to sailors both at sea and when docked. Resulted in a dramatic cost savings and decreased the turn around time for repairs.
- Communicated directly with System Test Officer (STO) to ensure minimal or no down time while installing routers and software for remote support.

Geeksquad

WESTMINSTER, CALIFORNIA

IT Consultant

Aug'02 – Jul'07

- One of the first agents when Best Buy acquired Geeksquad.
 - Pioneered and assisted in the roll-out of processes and procedures to the entire company.
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Education

Drexel University

PHILADELPHIA, PENNSYLVANIA

Masters degree in Computer Science

2009 – 2012

Focused on Artificial Intelligence.

California State University at Long Beach

LONG BEACH, CALIFORNIA

Bachelors degree in Computer Engineering

2001 – 2007

Minor in Computer Science.

Skills

Technical specialties: I have a passion for programming and often program just for fun. I've written the most code in Java followed by Python. While Python is currently my favorite I try to remain language agnostic and thoroughly enjoy learning new languages. I've also worked with both C and C++ including embedded programming in C on the 8051 microcontroller. Experience with web technologies HTML, CSS, and Javascript. Extensive experience with XML and JAXB. Written the most SQL for PostgreSQL and setup several PostgreSQL installs. Linux system administration experience on my own personal machine and servers for side projects. I use Git and Mercurial daily and SVN weekly. I currently use IntelliJ as my IDE, but have used Visual Studio for C# and C++ development. I have also used Netbeans and Eclipse for Java development. My editor of choice is Vim despite attempts to coerce me into using Emacs.

Natural languages: English (*native*), German (*limited*).

Interests

Non-exhaustive and in alphabetical order: Biking, cooking, Crossfit, gaming, hiking, Olympic lifting, programming, reading, running