

Matthew Korporaal

*-Highly adaptable, effective coder with a dynamic background,
ready for new challenges and to join a great team.*

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EXPERIENCE

IT Manager - G-Star Raw, New York

2010 – 2013

- * Instrumental in the daily operation of seven stores.
- * Assisted in opening of two stores with comprehensive hardware & software systems support.
- * Developed procedures to optimize workflow and planning & allocation.

Director – Homeworks Funding, San Diego

2005 – 2009

- * Directed all aspects of business from human resources training to IT.
- * Establish client partnerships and created strategic marketing campaigns.

Software Engineer II - Raytheon, San Diego

2004 – 2005

- * Provided embedded software resolutions for defense tracking & security systems.
- * Provided comprehensive resolutions for software errors in C++ environment.
- * Instrumental in testing and implementation of specialized tracking system on Naval aircraft carrier.
- * Coordinated with Lead Engineer to administer checking and editing of technical documents to ensure compliance with military specifications.

Lockheed Martin ORINCON, San Diego

2000 – 2004

Signal/Image Processing Engineer II & Principle Engineer

- * Developed data / sensor fusion and signal & information processing software for highly specialized active & passive underwater acoustic applications.
- * Participated in Software Management Procedures to achieve ISO9001:2000 and SEI/CMM Level II Certification.
- * Instrumental in all aspects of development, testing, and integration for a portable, OOD Tracker redesigned from legacy C code adhering to C++ coding standards, becoming the company's de facto data fusion architecture.
- * Successfully enhanced C++ I/O processes and improved output by implementing multiple-hypothesis fusion engine on multiple tracking programs.
- * Created C++ electromagnetic, visual, and radar measurement types to increase tracking capabilities and broaden frequency evaluator target signatures.
- * Lead effort to interface third-party software with customer's Middleware
- * Translate MATLAB code to C++ for a real-time OOD implementation of an automated passive sonar detector

EDUCATION

General Assembly, New York

2013

12-Week Full Stack Web Development Boot Camp

Oklahoma City University, Oklahoma City

1999

BSCS - Engineering Design Emphasis

PUBLICATIONS

- * "Image and Signal Classification for a Buried Object Scanning Sonar," MTS / IEEE Oceans, 2002
- * "Target Confirmation Architecture for a Buried Object Scanning Sonar," MTS / IEEE Oceans, 2003

SKILLS

Languages:

C (5 yr), C++ (3 yr), Ruby, JavaScript, Matlab (4 yr), Assembly

Web Technologies & Frameworks:

HTML5 & CSS3, AJAX, JQuery, Underscore.js, Backbone.js, Rails, Sinatra

Operating Systems:

Mac OSX, Unix, Linux, Windows, Vax

Version Control:

Git, CVS

Database:

PostgreSQL, SQLite

Tools:

Sublime, VIM, MS Office, Pivotal Tracker, Visio

TDD/BDD:

RSpec, Capybara, Jasmine, Travis-CI, Capistrano, Guard, Simplecov

API's:

Google maps, Twitter

Methodologies:

Object-Oriented Programming, MVC Architecture, Test & Behavior Driven Development, Relational Data Models

INTERESTS

Technical:

Web & Mobile Development, Data visualization, Signal Processing, Open-source development, Crowdsourcing, Convergent Thinking, Learning new concepts & technologies

Other:

Biking, Hiking, Camping, Travel, Snowboarding, Yoga (Certified Instructor), Fishing, Sailing, Golf, Tennis