

GARY GROSSI

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Skills

PROGRAMMING

Android Development
Java
C
C++
Python
Unix
HTML/CSS/JavaScript
git
Subversion
C#
MATLAB
VHDL
Visual Basic
VBA

SOFTWARE

Unity
MultiSim
PSpice
AutoCAD
Creo Parametrics
Microsoft Office
GameMaker: Studio
Adobe Photoshop
InkScape

HARDWARE

Arduino
Raspberry Pi
PSoC
Thalnic Myo
Oscilloscope
Soldering Iron
Multimeter
Function Generator
DC Power Supply

COURSE WORK

Data Structures and Algorithms
Parallel Programming
Computational Photography
Advanced Programming Techniques
Systems Programming
Advanced Programming for Engineers
Design with Microcontrollers
Modern Processor Design
Computer Architecture
Electric Circuits
Digital Logic Design

Education

Drexel University
Bachelor of Science Computer Engineering 2017
Minor Entrepreneurship 2017

Employment

SmartyPal

Software Developer

- Developed an interactive web application for integrating educational content with React
- Improved internal SDK developed in C#
- Created content using Unity3D

Philadelphia, PA
Jan 2017 to Jun 2017

Scholly

Software Developer

- Developed new features and maintained the Scholly Android application in Android Studio
- Proposed and designed new concepts for the Scholly platform
- Participated in product development discussions

Philadelphia, PA
May 2016 to Aug 2016

PJM Interconnection

Software Developer

- Programmed web applications using Java Enterprise Edition
- Learned object oriented programming concepts and design patterns
- Utilized PL/SQL to transform and migrate information between databases

Audubon, PA
Mar 2015 to Sep 2015

Engility Corporation

Supercomputer Operator

- Monitored the status of multiple supercomputers used for scientific research
- Created a service catalog using HTML, CSS, and JavaScript
- Installed and assisted in setting up new servers in the computer room

Princeton, NJ
Mar 2014 to Oct 2014

Drexel University Wireless Systems Lab

Research Assistant

- Assisted with research and programming
- Gained knowledge on arduino board and arduino programming language
- Expanded skills in wireless systems and how they operate

Philadelphia, PA
Mar 2013 to Jun 2013

Projects

Dancing With Drones

- Worked in a team to develop a drone platform capable of precise movements
- Developed a highly controllable spotlighting system for visual effects
- Design circuitry to enable active IR tracking

Sep 2016 to May 2017

TweetToLock

- Built a Twitter operated lock box using a Raspberry Pi
- Programmed control software for the servo motor in Python
- Utilized Twitter API to interface between the device and Twitter

May 2013 to Sep 2013

Game Design Project

- Worked in a group to design a vertical platform video game
- Utilized GameMaker: Studio to program the game
- Maintained project blog and presented outcome at the end of term

Mar 2013 to Jun 2013

Awards

Institute of Electrical and Electronics Engineers · Darrel Chong Award

The Darrel Chong Award for Best Activity was presented to the DragonHacks team for our 24 hour hardware hackathon.

Jul 2015

Institute of Electrical and Electronics Engineers · Exemplary Student Branch Award

Jul 2015

MicroMouse Competition · Second Place

Apr 2015

HackTheNorth · Best Myo Hack

Sep 2014

IEEE Hackathon on Embedded Systems · Third Place

Nov 2013

hack4good Philadelphia · Second Place

Oct 2013

Drexel University · Dean's List

Dec 2012

Activities

DragonHacks · Co-Director

Sep 2014 to Apr 2017

Drexel Game Developers Group · Fundraising Chair

Mar 2016 to Mar 2017

Institute of Electrical and Electronics Engineers, Drexel Chapter · Vice President

Apr 2014 to Jan 2016

Race Hall Council · Floor Representative

Oct 2012 to Jun 2013