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Profile

Self-starter and dedicated student with extensive customer service and technological experience. Seeking a career in Software Development to gain experience in the development process. Looking to benefit an organization with my knowledge and skills in software development and project handling.

Education

The University of Georgia
Bachelor of Science in Computer Science

Expected Graduation: May 2016
Athens, GA

Relevant Coursework

- System Programming – C, C++ and UNIX
- Data Structures
- Software Engineering – Java, JavaFX and UNIX
- Intro to Scientific Computation – MATLAB/Octave
- Game Development – JavaScript, HTML5, CSS, Unity, C#
- Discrete Mathematics – LaTeX
- Theory of Computation
- Web Programming – JavaScript, JSON, jQuery, PHP, SQL, HTML5, XML, CSS
- Database Management – MySQL, PostgreSQL, JDBC, JSP, Java

Technical Experience

CUDA and GPU Research Center
Participant

August – December 2014
Athens, GA

- Learned about the fundamental basics of GPU programming with the NVIDIA proprietary C Library, CUDA
- Studied the basic architecture of CPUs and GPUs and how CUDA allows them to interact.
- Participated in weekly workshops that tested our understanding and our ability to solve CUDA-related problems in the language

Data Quality of VoIP vs Cellular 3G
Scientific Research Paper

January – May 2010
Kennesaw, GA

- Developed a scientific research paper on the differences in voice quality while being transmitted over *Voice over Internet Protocol* and *Third Generation* (3G) data networks.
- Researched using popular software products like *Skype* and *Vonage*, and compared with the *AT&T* 3G network
- Demonstrated research to prominent business leaders in the community, as well as local and state representatives

Cynergy Telecommunication Management
Intern: Data Entry

January – August 2010
Kennesaw, GA

- Studied transmission of packet data over TCP/IP, UDP, and 3G data networks.
- Responsible for maintaining and updating the company's proprietary client databases
- Contributed to company success through collaboration on several small projects

Notable Projects

Outlet Store - Reward Points Database

Summer 2015

University of Georgia - Database Management

Athens, GA

- Constructed a website to track points accrued over a period of time when buying products
- Researched the capabilities of JSP as well as fundamental features for a successful rewards system
- Used Java Server Pages and AJAX with HTML5 to interact with our databases
- Miscellaneous page features were implemented with JavaScript

VendApp - Vending Machine Locator (WIP)

Summer 2015

Personal Project

Athens, GA

- Constructing Android application to access database of vending machine locations around campus
- Created to fill a specific niche in the smartphone Play Market / App Store that has not been filled yet
- Initially constructed as a simple HTML5/CSS3 web application that will be reconstructed for Android via Android Studio
- Will port to iOS after Android work is in an acceptable state

FitNext - Exercise Tracking Database

Spring 2015

University of Georgia - Web Development

Athens, GA

- Constructed a website to track a user's exercise data and logs calories consumed and burned
- Extensively researched the problem space to understand the domain and existing solutions that attempt to address it.
- Used PHP and AJAX with HTML5 to interact with our databases
- Notable features include: password hashing, personalized workout results based on user, advanced HTML5/CSS3 elements, dynamic analytics, and deep level of user customization

TheoryCalc - Push Down Automata Calculator

Fall 2014

University of Georgia - Theory of Computation

Athens, GA

- Calculator written in C++ designed to do simple operations using a Push Down Automata
- Implemented basic, non-theoretical calculator to compare results
- Constructed to show the capabilities of Context-Free Languages in programming

Work Experience

University of Georgia Food Services

August 2012 – Present

Student Clerical – Food Administration

Athens, GA

- Held several orientations a week to review and educate new employees about the policies of the University of Georgia and UGA Food Services
- Review several hundred student applications per month for student employment
- Organize and maintain the databases of several food service locations, most of which have hundreds of entries

Skills

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- **Leadership** - Often placed in managerial/leadership positions in group projects and activities. Responsible for appropriately delegating sub-projects and charting timelines in the development process of the final product
 - **Computer Science** - Focused studies in Unix, data structures and user-centered design.
 - **Teamwork** - Dedicated to pushing boundaries on team productivity. Thrives in group work and collaboration.
 - **Programming** - Git, XAMPP/LAMP/MAMP, Android SDK, PuTTY, GDB, Valgrind, GCC, JavaC, Visual Studio, JetBrains IDEs, Unity
 - **Other:** Learning Japanese