Nicholas Mangracina

Backend Developer

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Education

Rutgers University - New Brunswick
Sep. 2013 – now

Field of study: B.Sc. Computer Science w/ minor in Mathematics

Relevant Coursework: Intro to OOP, Data Structures, Computer Architecture, Systems Programming. Soon taking: Operating system design, databases, software methodology, IT and Networking

Extracurriculars: USACS (Computer Science Club) Member, HackRU volunteer, Marching band, Pep band

In-Major GPA: 3.250

Work experience

Self-Employed – Drum instructor
Jan 2011 - now

• give lessons to beginner to advanced level drummers

•playing for 12 years and held a leadership position (drum captain) in Manalapan High School Marching band

CVS
Manalapan, NJ   *April 2014 – September 2014*

overnight retail

• helped develop communication skills for customers

• Clerk, stock, facing, cleaning

Macy's
Freehold, NJ   *November 2012 – January 2013*

Sales associate – seasonal

• customer service, sales, recovery

Projects

• ***Multi-threaded banking system*** – Server and client programs written in C, multi-threaded and multi-processed versions completed for extra credit. Utilized networking, pthread libraries, and POSIX shared memory. For Systems Programming, grade: >100%

• ***Circuit simulator*** – Built a circuit simulator which sets the output variables of an FSM given a list of logic gates with boolean input and output variables. Written in C. Extra credit was to implement a sequential version using the logic of a D flip-flop. For Comp Arch, >100%

• ***Text message reminder-*** simple reminder application to receive and send text messages from bot email at future times. Parses messages for a written time followed by a message to be sent. Utilized Javamail API

Technical skills

Proficient languages: C, Java, Python, JavaScript, Vim, gdb, Linux/Unix

Familiar languages: C++, C-sharp, Ruby, PHP, mySQL, CSS3/HTML5, Vbscript, bash/shell

Highly adept with algorithm design/implementation and enhancing program efficiency