Justin M. Miron

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INTERNSHIPS

VIASAT INC. | Software Engineering Intern
May 2015 – August 2015 **|** Carlsbad, CA
Software Engineering Intern
- Expanded functionality of an ACU (Antenna Control Unit) simulator to support new antenna types and upgrades to the ACU.
- Modified the ACU simulator code to support real-time modification of message data.
- Designed a graphical user interface using Swing and Eclipse's window builder and interfaced it with previous command line operation.

WORK EXPERIENCE

TECHNOLOGY SERVICES | IT Site Consultant
January 2014 – Present | Champaign, IL
- Diagnosing and troubleshooting a wide range of software, hardware and networking issues.
- Providing a high-level of customer service to faculty and students utilizing CITES hardware.

UNIVERSITY OF ILLINOIS | Engineering Learning Assistant
August 2015 – Present | Champaign, IL
- Instructs and facilitates an ENG 100 section of approximately 20 students.
- Provides direction and guidance for new engineering students adjusting to college and engineering.

PROJECTS

MUSIC SWAP | Android Music Suggestion App
Developed using: Java (Android), Node.js, mongoDB.
- Developed an app to facilitate discussing and suggesting music with other users based on a matching system.
- Utilized web sockets to communicate with a Node.js server and an external mongoDB database.

UP-NEXT | Group Jukebox Web Application
Developed using: HTML, Javascript, Node.js, Mopidy
- Collaborated with three interns to design and implement a jukebox based on a voting system to better handle group settings.
- Interfaced my team's front-end web client with a Node.js server that controlled voting and communicated with an external music server.

KWM | Window Manager for X11
Developed using: C, XCB Libraries
- Designed a window manager with a partner for X11 using XCB libraries.
- Implemenented the window manager with support for dynamic tiling, multiple desktops, and window management through keybindings.

EDUCATION

UNIVERSITY OF ILLINOIS
BS In Computer Engineering
Expected May 2017 | Urbana, IL
Class Level: Junior
GPA: 3.68/4.0
James Scholar Honors

COURSEWORK

Algorithms and Models of Comp.
Computer Systems Engineering
Data Structures and Software
Computer Systems and Programming
Analog Systems and Signals
Power and Electromechanics

SKILLS

PROGRAMMING:
Most experienced with:
Java • C++
Working knowledge:
C • Python • x86 Assembly
Familiar:
Node.js • mongoDB • HTML
Javascript

TOOLS:
Android Studio
Eclipse

ACTIVITIES

Habitat for Humanity
Recreational Volleyball
Climbing Club
Badminton Club

LANGUAGES

English
Italian
Indonesian