JOHANNA SMITH-PALLISER

CONTACT

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ACTIVITIES

Association of Computer Science Undergraduates
Social Officer

BigRed\\Hacks
Sponsorship Team

CUEmpower
Mentor

COURSEWORK

Object Oriented Programming and Data Structures
Digital Logic and Computer Organization
Intro to iOS Development
Intermediate Design and Programming for the Web

SKILLS

Swift, Java, Python, HTML, CSS, SQL, PHP, Javascript, Verilog, MATLAB, Github, Xcode, Solidworks, AutoCAD, MS Office, Native Spanish speaker

EDUCATION

Cornell University – B.S. Computer Science, GPA: 2.954   2019
Minor: Electrical & Computer Engineering

Miami Dade College – A.A. Computer Science, GPA: 3.98   2015
School for Advanced Studies – HS Diploma, GPA: 7.307   2015

PROJECTS

SmartBasket – 2nd Place, Walmart Brick & Code 2.0 Hackathon
- iOS application to allow Walmart shoppers to participate in "shop sharing"
- Allows both shopper and seller to save on shipping costs by grouping orders in one box, increasing shopper return rates and sales

[confidential] – Under review for publishing
- iOS application that allows vehicle leasers to apportion mileage by time
- Formulated an algorithm to calculate predictive figures regarding future use based on vehicle specs and duration of lease
- Developed for iOS with Swift, using Firebase for login verification and a backend database to maintain user lease information

EXPERIENCE

GE Aviation   Summer 2017
Digital Technology Leadership Program Intern – Brilliant Factory
- Collaborated with multiple team leads as project coordinator for an electronic records management initiative for Maintenance, Repair, and Overhaul shops reducing processing time by 30-50% and producing $600K in annual savings
- Debugged and led data ingestion efforts a streamlined reporting process for insights on shop labor hours through a dashboard displaying metrics and trends, saving $500K per site
- Utilized Agile methodology to manage the development process for each project

CodeKids Camp   Summer 2016
Instructor
- Taught students ages 7-13 the fundamental lessons of computer science, programming, and robotics
- Challenged, engaged, served, and communicated with students to encourage their participation and learning while maintaining mutual respect and value

Cornell Engineering CATALYST Academy   Summer 2016
Program Assistant
- Assisted course instructors staff with projects, field sessions, tours, and other activities throughout the one-week session
- Provided full-time, round-the-clock guidance and shared supervision for 47 participants

FIRST Robotics Competition Team 5329   2013-2015
Founding member, Historian
- Worked with team members to design, build, and program a robot in six weeks for regional FIRST Robotics Competition in Ft. Lauderdale
- Contacted prospective sponsors and community members for fundraising, raising over $9,000 in funds
- Documented the progress of the team through use of technical documentation and social media