JOHANNA SMITH-PALLISER

CONTACT

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ACTIVITIES

BigRed//Hacks
Sponsorship Lead

Association of Computer Science Undergraduates
Social Officer

Hyperloop Project Team
Web Developer

CUEmpower
Mentor

COURSEWORK

Object Oriented Programming
Data Structures
Digital Logic & Computer Organization
Intro iOS Development
Intermediate Design & Programming for Web
Functional Programming

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: 3.059   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