Darius Cepulis

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Overview

Computer Science graduate with international experience in global companies working on diverse and innovative teams as researcher, software engineer, and designer, seeking R&D position starting in the Fall of 2018

Education

MS Computer Science, University of Cincinnati   *August 2018, 3.96/4.00*
- Thesis: Information Foraging in Socio-Technical Environments
- Paper to be Presented at VL/HCC 2018

BS Computer Engineering, University of Cincinnati   *April 2018, 3.58/4.00*
- Honors, Dean's List, Cincinnatus Excellence Scholarship
- Computer Science Minor, Mathematics Minor, International Co-op Program

Work Experience

Corporate Research Co-op, Bosch, Renningen, Germany   *2017*
- Designed & Developed software suite for sensor data aggregation & analysis
  - Designed for diverse research teams, with modular node.js and InfluxDB back-end
  - Front-end visualizations created with modern web technologies
- Trained in Altium PCB design & layout, built 3D-printed enclosures in SolidWorks
- Lived & Worked in a diverse, multi-lingual, international environment

Innovation Lab Co-op, BMW Manufacturing, Greenville, South Carolina   *2015*
- Developed & Deployed iOS app for Deep Learning assisted automobile inspections
  - Worked closely with inspectors, saving them 1+ hours per day
  - Presented to Board of Directors
- Worked in Shell & Python to prepare data and run Deep Learning benchmarks
  - Benchmarks supported paper presented in IEEE Big Data 2016
- Supported development & Coordinated feasibility study of Google Glass application
- Designed & Built Raspberry Pi robot for exploring 3D imaging techniques

Student Researcher, University of Cincinnati, Cincinnati, Ohio   *2016*
- Tasked with autonomously researching applications of neuromorphic hardware
  - Wrote MATLAB Simulation to support team and compiled findings into white paper

Skills

Programming & Technical Software
- Proficient in Python, C, C++, HTML/CSS, JS, MATLAB, UNIX Shell, Git, R, LaTeX
- Experience with Swift (iOS), MIPS Assembly, Java (Android), Altium, Verilog, Logisim, SPICE

Relevant Coursework
- Advanced Algorithms, Machine Learning, Software Engineering, Human-Robot Interaction Statistics, OS, Embedded Systems, Blockchain, Signals & Systems, Electronics

Hardware, Systems, & Interfaces
- macOS, Windows, iOS, Android, Arduino, Raspberry Pi, BLE, UART, I^2C, Websockets

Creative - Photoshop, Illustrator, Final Cut Pro/Motion, Microsoft Office, SolidWorks

Language - English (C2 - Native), Lithuanian (C2 - Native), German (B - Intermediate)

Related Experience

Teaching Assistant, Engineering Models with MATLAB	*2016–2018*
Counselor/Coordinator, Lithuanian Catholic Youth Camps	*2010–2014*