AUSTIN CEPALIA

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OBJECTIVE

To obtain a cooperative education position in the design, development, and testing of computing systems and software products. Available May – August 2020.

EDUCATION

Rochester Institute of Technology – Expected 05/2023

Bachelor of Science in Computer Science

Presidential Scholar

SKILLS

Programming Languages: C#/.NET Framework/.NET Core, Java, Python 3, HTML, CSS, Arduino C++

Operating Systems: Linux/UNIX, Windows, macOS

Software: Visual Studio, Visual Studio Code, Azure DevOps, IntelliJ, Pycharm, Rider, Eclipse, Sublime Text, NANO, Arduino, Git

PROJECTS

LogicSim: Cross-platform application for simulating combinational logic circuits based on a custom HDL

BattleTanks: Multithreaded and multiplayer version of Battleship with customizable game rules

Riemann Calc: Python tool for calculating and graphing various Riemann Sums with matplotlib

EXPERIENCE

Video Tutorial Instructor – RealPython.com

01/2019 – Current

- Script, shoot, and edit high quality and engaging video courses based on written Python tutorials for 1000+ paying site members
- Develop new code demos and small projects to explain Python concepts such as object-oriented programming and machine learning

Hybrid Instructor – Camp Tiger (RIT K-12)

06/2019 – 08/2019

- Designed and developed a highly acclaimed workshop called "Blasting Into Computing" which introduced summer camp students to five different computing fields in five days, using industry-standard software and techniques
- Developed additional learning materials such as daily review handouts and an online course website with HTML, CSS, and PHP for authentication

Junior Instructor - Leadership, Education, Athletics in Partnership (LEAP)

10/2016 – 04/2018

- Developed curricula to introduce 800+ inner-city students to computer science
- Workshops included Arduino Robotics, Game Development with Unity, Computer Science Foundations, and Computer Literacy