Nicholas Avtges

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EDUCATION

University of Massachusetts Lowell, Lowell MA   Anticipated Grad: December 2020
Bachelor of Science in Computer Science
    Minor in Mathematics
    Activities: President for the Swim and Dive Club 2019 – 2020

RELEVANT COURSEWORK

GUI Programming I, Mobile App Programming I, Machine Learning, Artificial Intelligence, Robotics I.

SKILLS

Languages: C, C++, Java, Arduino, html, xml, css

Operating Systems: Windows, Linux

Technical Skills: Soldering, Computer Hardware Construction

MAJOR ACADEMIC PROJECTS

Developed Virtual Machine   2019

Applied reflex agent simple platforming video game   2019

Designed personal website with multiple webpages   2020

RELEVANT WORK EXPERIENCE

Activ Surgical, Boston, MA   May 2018 – August 2020 (noncontinuous)
Software Engineering Intern,
- Developed software to run surgical robots and robotic instruments alongside professional software developers
- Programmed 7 axis Kuka robot
- Debugged and performed static analysis on main code base

Medrobotics, Raynham, MA   May 2017 – August 2017
Research and Development Engineering Intern,
- Developed software to control experimental robotic surgical instruments.
- Worked side by side with professional software engineers
- Wrote startup routine for robotic surgical instrument

ADDITIONAL EXPERIENCE

University of Massachusetts Lowell Tutoring Services, Lowell, MA   October 2018 – December 2020
Peer Tutor,
- Work with peers to solve difficult topics and to improve course skills in computer science and math.
- Subjects Tutored: Computing 1, 2, 3, Calculus 2 and Discrete Structures 1 and 2

INTERESTS

Swimming, Video Games, Tinkering with electronics