Kevin Downing

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CAREER OBJECTIVE

To obtain an electronics co-op assembly job to further strengthen my electronics and problem-solving skills.

EDUCATION

BLACKSTONE VALLEY REGIONAL VOCATIONAL TECHNICAL HIGH SCHOOL 65 Pleasant Street, Upton, MA, 01568

Class Rank: 3rd out of 316

Shop: Electronics & Engineering Technology

Projects: Multimeter, power supply, color organ, capacitor car, quarter launcher, and speaker.

CLUBS AND ACTIVITIES

Robotics Club, Blackstone Valley Tech. | Sept. 2017-Present
- Programmed the robot for the Infinite Recharge 2020 game.
- Restructured robot code to be half the original source size.
- Program vision cam capabilities that allowed the robot to track objects.
- Added PID algorithms to significantly increase the accuracy of the robot's movement.
- Developed a website and beta scouting app with fellow programming members.

Smart Escape, Head Programmer, UMass Lowell Idea Challenge, Nov. 2019 – Present
- Automated the creation and solving of the boolean equations of which arrow should turn on in a burning building.
- Managed a team of 3 programmers in which the work was split evenly among them based on their expertise.
- Communicated with people from business, the electrical and mechanical side about the details of the programming side.

AWARDS
- Innovative Technology Award ($4,000), Smart Escape
- Gold National Web Design Challenge 2020
- Engineering of Excellence Award, Team 61
- AP Scholar Award
- 5 on AP Computer Science A exam

ADDITIONAL SKILLS
- Knowledgeable in DC Theory, AC Theory, semiconductors and digital electronics
- NI Multisim, NI Ultiboard, and Autodesk Inventor
- Intermediate at soldiering
- Experienced with C++, C, Java, Python, and JavaScript
- Office 365 applications