

Corey O'Brien

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Work Experience

Roofer, *Dave O'Brien and Son*, Pittsburgh, PA.

- Determined material required and profit margins of proposed installation opportunities
- Constructed and repaired various styles of roofs (shingle, skylights, rubber roofs)

Preparatory Chef, *Chateau Cafe and Cakery*, Pittsburgh, PA.

- Optimized storage and arrangement of cafe to promote a more efficient operation
- Collaborated with employees to arrange schedules and tasks

Education

Obama Academy of Intl. Studies, Pittsburgh PA.

- Maintained 4.0 unweighted grade point average with full IB Diploma classes

Purdue University, West Lafayette, IN.

- Admitted to the Honors College for First Year Engineering

Leadership

Supervisor at Purdue 3D Printing Club

- Coordinated normal operations of the Purdue Armstrong 3D printing lab

Mechanical Team Lead for Purdue Autonomous Robotics Club

- Led development of autonomous test drone

5th Grade Mentor for Algebra By 7th Grade (AB7G) Organization

- Designed lesson plans to teach various technological skills to local 5th graders
- Taught Autodesk Inventor and Cura slicing software for 3D design and manufacture

Soccer Coach at Obama Academy

- Researched and prepared drills to improve individual and team skills

Skill

- Proficient in Fusion 360, Inventor, and OpenSCAD CAD software
- Advanced knowledge of 3D printing systems
- Skilled in C and Python programming languages
- Hands-on experience with power tools and roofing adhesives