Dylan C. Montgomery

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OBJECTIVE
Obtain an internship or work opportunities to further contribute to technical work in the agriculture industry.

TECHNICAL SKILLS
Computer Languages: Python (ETL, pandas), C++ (embedded, STL), SQL
Frameworks/Tools: Git, Docker, Bash, KiCad, MATLAB
Tools & Data Infra: REST/HTTP APIs, CAN-Bus, Linux, KiCAD, VS, Git, MATLAB, Ghidra, Bash
Languages: Fluent in English, Literate in Russian

EDUCATION
The University of Akron | Akron, OH   *Anticipated graduation: May 2026*
  • Williams HC Double Bachelor of Computer Engineering & Applied Mathematics - 3.5 GPA
    • Computer Information Networking Minor - 3.7
    • Computer Science Minor - 3.7
  Relevant Coursework: Num. Methods, Stats., Linear Alg., Comp. Sci., Net. Syst., Models, & Adv. UNX
Hudson High School | Hudson, Ohio   *August 2016- May 2021*
  • Graduated with Honors - 4.3 GPA

AGRICULTURAL INDUSTRY EXPERIENCE
Founder & Developer | Fruitful Network Development   *July 2021-Present*
  • Engineering contract firm focused on novel software/hardware framework Dev. for agriculture networks.
  • Conducting an ongoing pilot impact study to validate operational benefits within local food
    networks for a USDA-alignment grant.
University of Akron Research Foundation Funded Entrepreneurial Research   *December 2024-Present*
  • Conducted 43+ interviews across diverse agriculture stakeholders: Farmers, Co-Ops, Extension Programs,
    Specialty Grocery Stores, FairShare, OPGMA, OEFFA, ACEnet, Ohio Farm Bureau, CWRU Research
    Farms, CSAs, and others.
  • Gained firsthand insights into operational challenges, industry needs, and market dynamics within small
    local agriculture networks.

WORK EXPERIENCE
Electrical System Engineer | Stanley Black & Decker | Valley City, OH   *May 2023-September 2023*
  • Developed and integrated CAN-Bus Networks for next-generation landscaping machinery.
  • Conducted EMI/EMC testing and generated technical reports for product certification.
  • Collaborated with cross-functional teams to troubleshoot and enhance sensor data accuracy for prototypes.
Assistant Golf Pro | Lake Forest Country Club | Hudson, OH   *April 2018-Present*
  • Leveraged customer interaction and networking skills to increase new member referrals.

LEADERSHIP AND INVOLVEMENT
Participant | I-Corps Entrepreneur Pitch Competition   *December 2024 – Present*
Vice President | UA Hackron Club   *March 2023 – Present*
Mentor | Big Brothers Big Sisters Program   *February 2022 – Present*
Member | Golden Key International & UA Chapter NHS   *September 2023 – Present*
DriveTrain and ECU Team Lead | Zips Electric Racing   *January 2022 – May 2023*
  • Lead the design and integration of the dashboard for the racing team's electric vehicle.