Jack Timmins

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EDUCATION

- **Charlottesville High School** — Charlottesville, VA
  Advanced Diploma — *August 2014 – May 2018*

- **Piedmont Virginia Community College** — Charlottesville, VA
  English 111 - 112, Engineering 115 — *August 2017 – May 2018*

EXPERIENCE

- **Greenbrier Elementary School CLASS Program** — Charlottesville, VA
  CLASS Counselor — *January 2015 – July 2015*
  - **Counselor**: Supported lead staff, supervised children, and planned/lead activities.

- **Lighthouse Instruments** — Charlottesville, VA
  Intern — *June 2016 – July 2016*
  - **Inventory**: Catalogged stemmed glass and participated, along with my supervisors, in the design process of a vacuum system.

- **Lighthouse Instruments** — Charlottesville, VA
  Intern — *June 2017 – July 2017*
  - **Mechanical Engineer**: Designed and built machines for inspecting and cleaning stemmed glass.
  - **IT**: Helped set up a FOG server for imaging company and end user computers.

- **Babylon Microfarms** — Charlottesville, VA
  Programmer — *September 2017 – Present*
  - **IoT Programmer**: Contributed to the codebase that controls the IoT hydroponic farms.
  - **Cloud Server Technician**: Made a server capable of communicating with farms, archiving data, and making that data available to users.

PROJECTS

- **Zero Robotics**: A team programming compitition with a focus on C++, vector math, and problem solving.
- **ZR Slack Bot**: A bot capable of checking the online Zero Robotics leaderboard and posting our team's rank in slack.
- **Super Space Adventure**: A fully autonominous low atmosphere package hosting a suite of sensors.
- **Student ID Scanner**: A scanner capable of scanning student's IDs for the purpose of efficiency and safety.

SKILLS

- **Programming Languages**: Python, Java, Bash, C++

- **Tagging Languages**: HTML, Markdown, LaTeX

- **Hardware**: Arduino, Oculus, planning and assembling computers, Raspberry Pi

- **Software**: Docker, Excel, Git, Gnuplot, Solidworks (CSWA - Academic), SQLite