Jack Timmins

https://tim-jackins.github.io/

Email : timmins.jack595@gmail.com
Mobile : +1-434-227-6013

EDUCATION

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

- **Piedmont Communnity College** — Piedmont, VA
  English 111 - 112 — *Aug. 2017 – May. 2018*

EXPERIENCE

- **Greenbrier Elementary School CLASS Program** — Charlottesville, VA
  CLASS Counselor — *Jan. 2015 – July. 1015*
  - **Counselor**: I supported lead staff, supervised children, and planned / lead activities.

- **Lighthouse Instruments** — Charlottesville, VA
  Intern — *June. 2016 – July. 2016*
  - **Misc**: I was in charge of inventory for stemmed glass and helped design a vacuum system workstation.

- **Lighthouse Instruments** — Charlottesville, VA
  Intern — *June 2017 – July 2017*
  - **Vial Washer**: I designed and built a device for inspecting glass vials and a device for cleaning sets of glass (sets no large than 49).
  - **IT Tech**: I helped setup a network computer cloning server using software called FOG. I also imaged a lot of the laptops that Lighthouse uses to control their machinery.

- **Babylon Microfarms** — Charlottesville, VA
  Programmer — *September 2017 – Present*
  - **Microcontroller Programmer**: Babylon Microfarms produces household hydroponic farms. The farms contain a suite of sensors and, a camera, that are controlled via python. I contribute to that cobebase. Contributions include: texting and slack messaging capabilities, timelapse packaging and sending, and some code quality assurance.
  - **Cloud Server Technician**: My server is in charge of communicating with farms, saving data, and making that data available to users.

PROJECTS

- **Zero Robotics**: A programming compitition with a focus on C, vector math, and problem solving
- **SSA**: Super Space Adventure, a fully autonominous package hosting a suite of sensors controlled by python. We launched once, successfully obtained good photos of the atmosphere, and are preparing to launch.
- **CTF misc**: A series of competitions aimed at practicing cryptology skills. I scored in the top ten precent in most of the competitions.
- **Student ID Scanner**: A compact ID scanner capable of scanning Charlottesville Highschool student's ids for the purposes of efficiency and safety.

SKILLS

- **Coding Languages**: Python, Java

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

- **Technologies**: Oculus, Raspberry Pi, Solidworks, Arduino

HONORS AND CERTIFICATIONS

- **CAD**: I am Solidworks Certified

- **Science Olympiad**: I placed in the code analysis event in the regional and state level competitions