

## Ian Johnson

2925 Rensselaer Court, Vienna, VA 22181

(703) 819-8495

IanTimothyJohnson@gmail.com

### Summary

---

I am a quick and versatile learner, adaptable to a variety of challenging situations and tasks. I have a strong background in mathematics, as well as experience in computer programming.

### Education

---

#### University of Virginia

May 2017

*B.A. in Mathematics (advanced track) and Physics*

*Overall G.P.A.: 3.96*

##### – Awards and designations

- Echols Scholar
- Edwin E. Floyd Prize in Mathematics (2017)
- Intermediate Honors (2016)
- Dean's List (Spring 2015, Spring 2016, Fall 2016)

### Experience

---

#### Volunteer Tutor

September 2017–Present

*FACETS*

*Centreville, VA*

- Teach a variety of computer-related skills to adults.
- Assist with children's homework and after-school activities.
- Provide proactive technical support to community center.

#### Undergraduate Physics Researcher

April 2015–September 2017

*UVa Solid Polarized Target Group*

*Charlottesville, VA*

- Develop mathematical models from systems of differential equations.
- Create simulations based on experimental data.
- Design algorithms and software to automate experimental process.

#### Undergraduate Mathematics Researcher

May 2016–July 2017

*University of Virginia*

*Charlottesville, VA*

- Apply individual study of new material to research efforts.
- Collaborate with research adviser to investigate novel concepts.

#### Vice President & Secretary

May 2015–May 2017

*Kinetic Sound*

*Charlottesville, VA*

- Co-founded successful student organization.
- Coordinate logistics of large-scale events with over one hundred attendees.
- Participate in and contribute to weekly planning meetings.

### Skills

---

#### Computer proficiency

- Experienced with Windows and GNU/Linux systems (day-to-day usage and basic administration)
- Proficient in Microsoft Office (Word, Powerpoint, Excel) or equivalent products

#### Programming

- Languages: C, Rust, LabVIEW, C++
- GitHub: <https://github.com/ianprime0509>
- Familiar with common development tools, including Git
- Selection of projects:

- A controller for a stepper motor, written in LabVIEW (<https://github.com/ptgroup/stepper-motor-controller>)
- A Chip-8 emulator, written in C (<https://github.com/ianprime0509/chip8>)

**French**

- Upper intermediate reading and writing