

# Vasil Zhigilei

vasil@zhigilei.com  
(434) 987-8728  
linkedin.com/in/vasilzhigilei  
github.com/vasilzhigilei

## EDUCATION

University of Virginia, Charlottesville, VA | B.S.C.S.

Anticipated Graduation Date: May 2022 | GPA 3.4

## HIGHLIGHTS

- Responsible, driven and self-motivated.
- Learning to use languages for both front and back-end applications, such as with servers and parallel processing, as well as presentable UI experiences.
- Work experience as a research intern, teaching assistant, and tech intern.
- Designed, planned and executed projects over the past five years to self-learn programming and CS concepts.

## PROGRAMMING EXPERIENCE

- **C++/CUDA (2019 – present)** – GPGPU programming and debugging skills.
- **Python (2018 – present)** – Primary project is a client/server socket system with multiple devices connected together to create a smart dorm room, including facial recognition.
- **Java (2013 – present)** – Focus on graphical applications written in JavaFX.  
Main project is a solution for traders who wish to expedite the implementation of their custom algorithm to be used on an exchange of their choice. Learned how to use APIs (even with poor documentation), as well as how to create graphical software.
- Familiarity with Matlab, PHP, MySQL, Javascript, CSS, website infrastructure and databases.
- Experience working in a Linux environment, using Git & Github.
- Comfortable with workshop machinery, experience with CNC routers, soldering, hardware.

## EXTRACURRICULAR ACTIVITIES

- **Research – Rodinia Benchmark Suite | Charlottesville, VA (May, 2019 – September, 2019)**  
Development and optimization of algorithms in the widely used GPGPU Rodinia Benchmark Suite. Attained experience with C++, CUDA, worked with GPGPUs, and algorithms.
- **CS1110: Intro to Programming TA | Charlottesville, VA (August, 2018 – September, 2019)**  
Teaching assistant for CS1110 courses in Python. Work included holding labs, grading exams, and being the homework grader and contact for over thirty students.
- **University of Virginia Scholars Program | Charlottesville, VA (Spring, 2018)**  
Took Intro to Programming at UVA during my last semester of high school through the UVA Community Scholars program.
- **Albemarle County Schools Tech Intern | Charlottesville, VA (Summer 2017, 2018)**  
Worked two summers servicing school technology and equipment. Gained hands-on IT experience repairing and servicing devices such as laptops, projectors, printers, etc.

## ACHIEVEMENTS AND ACTIVITIES

- Scuba Diver (2015 – present), Rescue Diver, Nitrox certified.
- UVA Barbell Club (2019 – present).