Vasil Zhigilei

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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. Learned 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, remote development.
- Comfortable with workshop machinery, experience with CNC routers, soldering, hardware.

EXTRACURRICULAR ACTIVITIES
- **Research – Rodinia Benchmark Suite | Charlottesville, VA (May, 2019 – November, 2019)**
  Finalized and developed the Treeminer CUDA implementation for the most widely-used GPGPU benchmarking suite in the world. After my work, this algorithm was added to the suite to be used by thousands of computer scientists and professionals in the field alike. Attained a great deal of experience in C++/CUDA, GPU programming, & algorithms.
- **Intro to Programming TA | Charlottesville, VA (August, 2018 – September, 2019)**
  Teaching assistant for Intro courses (500+ students) in Python. Work included holding labs, grading exams, and being the personal 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, later permitting me to be the only 1st semester Intro TA.
- **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 thousands of devices such as laptops, projectors, printers.

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