Hans Bas

73 7th Avenue North, Huntington Station, NY 11746
Home: (631) 470-5962 | Cell: (631) 626-5020 | mr.hans.bas@gmail.com
LinkedIn: www.linkedin.com/in/hansbas | GitHub: www.github.com/haanmiba
Personal Website: www.hansbas.com

Profile

Second-year student pursuing a B.S. in Computer Science and B.A. in Mathematics. Seeking to demonstrate and apply my computer science skills to a real-world setting through a job or internship position. Proven to possess a strong proficiency in Java, C++, and Python. Currently serves as an undergraduate teaching assistant for my university's computer science department, and has demonstrated leadership and extensive communication skills through hackathons and coding competitions.

Education

University at Buffalo, State University of New York   **Buffalo, NY**
Bachelor of Science in Computer Science & Bachelor of Arts in Mathematics
Expected Graduation Date: May 2020
- GPA: **3.769/4.000**
- University Honors College
- Active member of the Association for Computing Machinery
- Dean's List Student

Relevant Coursework: Introduction to Computer Science for Majors I & II, How the Internet Works, Introduction to Discrete Structures, Digital Systems, Data Structures, Intro to Higher Math

Skills

Operating Systems: MacOS
Languages: Java, C++, Python, HTML5, CSS3, JavaScript
Software: Eclipse IDE for Java Developers, PyCharm, Sublime Text 2, CLion, NumPy, Pandas, Jupyter Notebooks, Microsoft Office (Windows & Mac), Adobe Photoshop, Adobe Premiere Pro, Google Chrome

Projects

Bulk Query
- Built a Google Chrome extension made to help users perform multiple search queries.
- Wrote the extension using JSON, HTML5, CSS3, JavaScript, jQuery, and Bootstrap.

Huedunit
- Java color-guessing game built in 24 hours for UB Hacking Fall 2017.
- Created the program using Model-View separation – my main contribution was to the Model while my teammates worked on the View/UI of the program. All collaboration was done in GitHub.

Fractal Generator
- Semester-long project for *CSE 116: Introduction to Computer Science for Majors II*.
- Used test-driven development with JUnit testing to write a program in Java that displays four different types of fractals in the complex plane: Mandelbrot, Julia Set, Burning Ship, Multibrot.

Professional Experience

Undergraduate Teaching Assistant for *CSE 115: Intro to CS for Majors I*   **Buffalo, NY**
University at Buffalo Department of Computer Science & Engineering | August 2017 to Present
- Serves to teach approximately 75 computer science students new to the university's computer science & engineering department in this introductory course. Administers lab assignments and homework assignments primarily testing students on Java, JSON, Object-Oriented Programming, Model-View Separation, and Observer Interfaces.
- Ensures students follow academic integrity by thoroughly analyzing responses when grading quizzes and homework assignments and reports any violations or instances of cheating.

Coding Camp Assistant & Hour of Code Guest Speaker   **Huntington Station, NY**
South Huntington Union Free School District | Summer 2016 & Summer 2017
- Taught over a hundred young students the basic fundamentals of programming through small projects in JavaScript and Google Scratch alongside teaching basic robotics and engineering with arts & crafts projects and LEGO robotics.