

Hans Bas

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Profile

Third-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 an internship position. Proven to possess a strong proficiency in Java, C#, and Python. Currently serves as an undergraduate teaching assistant for the University at Buffalo Computer Science & Engineering Department.

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: **3.809/4.000**
- University Honors College
- Active member of the Association for Computing Machinery
- Dean's List Recipient

Skills

Operating Systems: Windows, MacOS, Linux

Languages: Java, C#, Python, JavaScript, HTML5, CSS3

Software: Visual Studio, SQL Studio, Eclipse IDE for Java Developers, PyCharm, Sublime Text 2, NumPy, Pandas, Sci-Kit Learn, Jupyter Notebooks, Adobe Photoshop Scripting, Google Chrome DevTools

Projects

Logo Generator

- Photoshop script built to automate logo generation based upon font, text, font color, and background color data stored in a CSV file.
- Script written using JavaScript specifically for Adobe Photoshop CS6 Scripting.

Niche Web Scraper

- Web scraper built to extract school names and addresses from the website Niche.com to accelerate the promotion of University at Buffalo to high schools in Western New York.
- Script written using Python, the requests module, and the BeautifulSoup module.

Bulk Query

- Google Chrome extension made to help users perform multiple search queries in sequence.
- Written with JavaScript, jQuery, JSON, HTML5, CSS3, and Bootstrap.

Professional Experience

Software Engineer Intern **Pittsburgh, PA**

Innovative Systems, Inc. | May 2018 to August 2018

- One of four software engineer interns for the company's Research & Development (R&D) department specifically assigned to develop software to assist the company's Master Data Management (MDM).
- Developed software for client businesses to ensure compliance with anti-money laundering, anti-corruption, and economic sanctions regulation.

Undergraduate Teaching Assistant for CSE 115 & 116: Intro to CS for Majors I & II **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.

Coding Camp Assistant **Huntington Station, NY**

South Huntington Union Free School District | Summer 2016 & Summer 2017

- Educated children from grades K-6 the fundamentals of computer science and programming.
- Taught the benefits of pursuing a future in STEM by demonstrating applications with robotics, LEGOs, and animation.