

HANS BAS

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Education

University at Buffalo | Buffalo, NY

Bachelor of Science, Computer Science

Bachelor of Arts, Mathematics

GPA: 3.81/4.00

Aug 2016 – Present
(Graduating May 2020)

Experience

University at Buffalo CSE Department | Buffalo, NY

Aug 2017 – Present

Undergraduate Teaching Assistant

Courses: Introduction to Computer Science for Majors I & II.

Teaches new computer science students the fundamentals of Java, object-oriented programming, test-driven development with JUnit tests, design patterns, and basic data structures & algorithms.

Innovative Systems, Inc. | Pittsburgh, PA

May 2018 – Aug 2018

Software Engineer Intern

Worked with a team of four to develop schema migration software for company databases using C#, Transact-SQL, and Visual Basic. Software allowed for version control between newer/older versions of database schemas. Now used for company database backups and client-side database installations.

South Huntington Union Free School District | Huntington Station, NY

Jun 2016 – Jul 2017

Head Coding Camp Student Assistant

Led a team of student assistants in teaching elementary school students the fundamentals of programming with JavaScript and Google Scratch.

Projects

University at Buffalo Events Calendar Scraper

Oct 2018 – Present

- Web scraper written in Python using the Selenium Web Browser Automation framework to extract information from the University at Buffalo events website and allow users to store extracted information in a JSON, XML, or YAML file.

Supreme Logo Generator

Apr 2018 – Aug 2018

- Adobe Photoshop script written in JavaScript that reads values from a CSV file and outputs Supreme logos as PNG image files.

Niche Web Scraper

Apr 2018

- Web scraper written in Python with the Requests HTTP Library and BeautifulSoup HTML Parser to extract information from the website Niche.
- Used by the University at Buffalo Honors College to locate all high schools in Western New York in order to promote the University at Buffalo to prospective students.

Skills

Languages

Python, Java, C#, JavaScript, HTML, CSS

Software

Git, PyCharm, Eclipse, Visual Studio, Microsoft SQL Server

Frameworks

Bootstrap, Selenium, Flask