# HANS **BAS**

631-626-5020 | mr.hans.bas@gmail.com
www.hansbas.com | www.linkedin.com/in/hansbas | www.github.com/haanmiba

## Education

**University at Buffalo** | Buffalo, NY                                     **Aug 2016 – Present**
    **Bachelor of Science, Computer Science**                        **(Graduating May 2020)**
    **Bachelor of Arts, Mathematics**
    GPA: **3.81/4.00**

## 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

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|---|---|
| **Languages** | Python, Java, C#, JavaScript, HTML, CSS |
| **Software** | Git, PyCharm, Eclipse, Visual Studio, Microsoft SQL Server |
| **Frameworks** | Bootstrap, Semantic UI, Selenium, Flask |