

EDUCATION

Buffalo, NY	University at Buffalo	Aug 2016 – May 2020
<ul style="list-style-type: none">• Majors: B.S. in Computer Science, B.A. in Mathematics. GPA: 3.73• Computer Science Coursework: Data Structures, Algorithm Analysis & Design, Computer Architecture, Discrete Structures, Digital Systems• Mathematics Coursework: Linear Algebra, Differential Equations, Higher Math, Calculus I-III		

EMPLOYMENT

Undergraduate Teaching Assistant	University at Buffalo	Aug 2017 – Present
<ul style="list-style-type: none">• Courses: Introduction to Computer Science for Majors I & II• Teaches computer science students the fundamentals of Java, object-oriented programming, test-driven development with JUnit tests, design patterns, and basic data structures & algorithms.		
Software Engineer Intern	Innovative Systems, Inc.	May 2018 – Aug 2018
<ul style="list-style-type: none">• Collaborated with a team to develop schema migration software for company databases using C#, Transact-SQL, and Visual Basic. Now used for company database backups and client-side database installations.• Built parser in C# to pre-process data from the Dow Jones Anti-Corruption database; optimized space complexity by implementing Simple API for XML.• Refactored portions of company codebase from Visual Basic to C#.		
Head Coding Camp Student Assistant	SHUFSD	Jun 2016 – Jul 2017
<ul style="list-style-type: none">• Led a team of student assistants in teaching elementary school students the benefits of a future in computer science and STEM.• Taught 100+ elementary school students the basics of programming in JavaScript and Google Scratch.		

SOFTWARE PROJECTS

Personal Website: www.hansbas.com	Dec 2017 – Present
<ul style="list-style-type: none">• Deployed by Jekyll static site generator, with data stored in YAML files, templating with Liquid, and blog posts written in Markdown. Hosted on GitHub Pages.• <u>Utilized:</u> HTML, CSS, JavaScript, Bootstrap, Jekyll, GitHub Pages, Markdown, Liquid, YAML	
PomodoroTube	Dec 2018 – Present
<ul style="list-style-type: none">• Developed a web app using HTML, CSS, and JavaScript that allows users to study/work alongside YouTube videos that mimic the Pomodoro Technique: study music/livestreams playing during the “work” phase and users’ subscriptions playing during the “break” phase.• Integrated YouTube Data API v3 to fetch users’ YouTube subscriptions.• <u>Utilized:</u> HTML, CSS, JavaScript, YouTube Data API v3, YouTube IFrame Player API, Materialize	
Bulk Query	Dec 2018 – Present
<ul style="list-style-type: none">• Developed a React application that stores allows users to store search queries in list format and allows them to perform multiple queries on any website.• <u>Utilized:</u> React, Node.js, Bootstrap	
University at Buffalo Events Scraper	Oct 2018 – Dec 2018
<ul style="list-style-type: none">• Wrote a web scraper in Python using the Selenium Web Browser Automation Framework to extract information from the University at Buffalo events website.• Users have choice to store extracted information in a JSON, XML, or YAML file.• <u>Utilized:</u> Python, Selenium	
Supreme Logo Generator	Apr 2018 – Aug 2018
<ul style="list-style-type: none">• Wrote a script in JavaScript that reads data from a CSV file and outputs Supreme logos as PNG image files.• <u>Utilized:</u> JavaScript, Adobe Photoshop Scripting	

SKILLS

- **Languages:** Python, Java, C#, JavaScript, HTML, CSS
- **Software:** Git, PyCharm, Eclipse, Visual Studio, Microsoft SQL Server
- **Frameworks:** Bootstrap, Selenium, Flask, Materialize
- **JavaScript:** React, Node.js