

Brian Liebe

20 Hawley Street, Apt. 756C, Binghamton NY • 585-766-4248 • bliebe1@binghamton.edu • www.brianliebe.me

Education

Binghamton University , State University of New York Bachelor of Science, Computer Science Overall GPA: 3.78 Major GPA: 3.85	Dec. 2018 Expected
Brockport College , State University of New York Dual-enrollment through Brockport High School	Sept. 2014-May 2015

Technical Skills

Languages: C++, C, C#, Java, TCL, Python | Experience in: x86 Assembly, Perl, TypeScript/Angular

Other: Git/Perforce/ClearCase, Visual Studio, Windows, Linux/Unix, GDB, CUDA, HTML/CSS

Relevant Courses: Computer Systems I, II, & III, Data Structures and Algorithms, Operating Systems, Automata Theory, Design and Analysis of Algorithms, Computer Security, High Performance Computing, Design Patterns, Programming Languages, z/VM Virtualization

Projects

Fidessa, TCL/Angular	Jersey City, NJ, June 2018-Aug. 2018
<ul style="list-style-type: none">Wrote a TCL script which, based on a filename, determined which processes needed to be restarted due to dependenciesAdded an automated upgrade process into an Angular web page which allowed for large-scale upgrades with one clickModified existing scripts with added functionality which aided in the automated upgrade process	
Binghamton University, C++/CUDA	Binghamton, NY, Jan. 2018-May 2018
<ul style="list-style-type: none">Implemented a convolutional neural network (CNN) that detected hand-written numbers from the MNIST dataset by actively changing the weights of dense layers with classic machine learning techniquesIntegrated the CUDA platform by multithreading the CNN training algorithms on a GPU	
Universal Instruments Corporation, C#	Conklin, NY, June 2017-Aug. 2017
<ul style="list-style-type: none">Developed a program that automatically retrieved source files from Git/Bitbucket when an executable was opened in Visual Studio, removing the company's need for a dedicated source file serverIncorporated a debugging application into the company's debug software which tracked system resource usageCreated a Jira extension which moved pre-existing development "issues" from ClearQuest to Jira which was compatible with Git	
Binghamton University, CSS/HTML	Binghamton, NY, Sept. 2017-Present
<ul style="list-style-type: none">Designed and styled a personal website (www.brianliebe.me) which uses a GitHub Pages repository	

Extracurricular Experience

Binghamton University, HackBU	Binghamton, NY, Sept. 2015-Present
<ul style="list-style-type: none">Attend workshops, seminars, and hackathons	
Mountainview College Council, Co-Rec Committee Member	Binghamton, NY, Sept. 2016-May 2017
<ul style="list-style-type: none">Work with other members to plan recreational activities serving 1100 Binghamton University students	

Leadership Experience

Binghamton University Computer Science Department, Course Assistant	Binghamton, NY, Sept. 2017-Dec. 2017
<ul style="list-style-type: none">Graded the majority of student assignments including essays, bibliographies, discussions, tests, etc.Attended classes to aid the professor with in-class assignments, such as presentations and lessonsAssessed students' grammar, essay structure, and writing habits	
Binghamton University Physics Department, Teaching Assistant	Binghamton, NY, Sept. 2016-Dec. 2016
<ul style="list-style-type: none">Led demonstrations and group activities in weekly physics lab for 25 students in addition to grading quizzes	
Binghamton University, WHRW Radio Show Member	Binghamton, NY, Sept. 2016-Present
<ul style="list-style-type: none">Run a weekly music radio show which requires training two apprentices each semester	

Employment

Service Delivery Intern, Fidessa	Jersey City, NJ, June 2018-Aug. 2018
<ul style="list-style-type: none">Wrote several TCL scripts to simplify the client's upgrade process to a newer software versionWorked with large databases using the company's proprietary database software and language	
Software Engineering Intern, Universal Instruments Corporation	Conklin, NY, June 2017-Aug. 2017
<ul style="list-style-type: none">Worked with other developers on various projects that involved multiple departments and required communicationGained knowledge working with issue-tracking and Git file management within a corporate structure	
Technical Assistant, Brockport Central School District	Brockport, NY, June 2014-Aug. 2016
<ul style="list-style-type: none">Set up and fixed software issues on district computers supporting 3500 students and 700 faculty/staff	