

# Matthew Hefner

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## EDUCATION

**Appalachian State University, Boone, NC**

August 2017 – August 2019

Bachelor of Science in Mathematics

- Concentration in Computation
- Minor in Computer Science
- Honors: *summa cum laude* (GPA: 3.9/4.0)
- Chancellor's List 2 Semesters, Dean's List 1 Semester
- Recognition: *The John W. Taylor and Mary L. Taylor Memorial Scholarship*, April 2018

**Western Piedmont Community College, Morganton, NC**

August 2012 – May 2013

Associate in Arts

August 2016 – August 2017

- Honors: *High Honors* (GPA: 3.93/4.0)
- President's List 3 Semesters
- Recognition: *Innovative Mathematical Thinking Award*, April 2013

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## PERTINENT COURSEWORK

Operations Research

Statistical Data Analysis

Mathematical Models

Computational Mathematics

Database

Computer Science Sequence

Numerical Methods

Data Structures

Linear Algebra

Principles of Microeconomics

Principles of Macroeconomics

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## COMPUTER SKILLS

### Languages:

- Proficient in: Java, Python, R, HTML5, CSS, JavaScript, RMarkdown, TeX
- Familiar with: C, C++, PHP, SQL

### Software:

- Proficient with: Maple, MATLAB, Eclipse IDE, RStudio, Microsoft Word and Excel, Git

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## EXPERIENCE

**Mathematics, Statistics, and Computer Science Tutor**

August 2012 - Present

Appalachian State University, Western Piedmont Community College, Private

- Lab Manager of the Developmental Mathematics Lab at Appalachian State University
- Developed customized learning strategies for students of courses ranging from developmental to advanced subject courses
- Utilized clear and concise language to convey complex concepts
- Cultivated students' passions for critical thinking, problem solving, and oral and written communication of new concepts
- Coordinated study groups and strongly advocated teamwork and collaboration