

# RICHARD CAPELESS

## OBJECTIVE

---

To obtain employment as a mathematics tutor of students at the high school and college levels

## EDUCATION

---

2009 - 2011      State University of New York at Albany  
*Master of Arts in Mathematics*

2000 - 2004      State University of New York at Albany  
*Bachelor of Arts in History and Mathematics*

## PROFESSIONAL EXPERIENCE

---

2019 - 2022      New York City College of Technology (Brooklyn, NY)  
*Adjunct Professor*

- Part-time teaching of college students studying algebra, trigonometry, pre-calculus, and calculus

2018 - 2022      Upward Bound at John Jay College (New York, NY)  
*Instructor*

- Federally funded summer program for underprivileged middle and high school students
- Summer position teaching math enrichment classes for students entering grades 9-11 and one SAT prep class for students entering grades 11-12

2012 - Present    R-Omega Mathematics Tutoring Service (New York, NY)  
*Owner/Operator, Tutor*

Full-time tutoring of high school and college students studying algebra, geometry, trigonometry, pre-calculus, and calculus (AP Calculus AB and BC)

2014 - 2020      Bespoke Education (New York, NY)  
*Tutor*

- Tutoring experience with high school and college students studying algebra, geometry, trigonometry, pre-calculus, and calculus (AP Calculus AB and BC)
- Test prep tutoring experience for the SAT math subject test and the math sections of the SAT and ACT
- Co-author of questions for the mathematics section of the 2017 Bespoke SAT test preparation guide

## PROFESSIONAL EXPERIENCE (CONTINUED)

---

Summer 2017    Upward Bound at Columbia University (New York, NY)

*Instructor*

- Federally funded summer program for underprivileged high school students
- Summer position teaching math enrichment classes for students entering grades 10-11

2015 - 2016    Educational Talent Search at John Jay College (New York, NY)

*Instructor*

- Federally funded summer program for underprivileged middle and high school students
- Summer position teaching math enrichment classes for students entering grades 7-9 and one PSAT prep class for students entering grades 10-11

Summer 2014    Bryant & Stratton College (Albany, NY)

*Adjunct Professor*

- Part-time position teaching pre-algebra to Medical Assistant students

2009 - 2013    Capital Region BOCES (Albany, NY)

*Substitute Teacher*

- Part-time position as a public school substitute teacher in both urban and suburban districts (grades 7-12)

2011 - 2012    La Salle Institute (Troy, NY)

*Instructor*

- Permanent substitute teaching position for three sections of Algebra 2 & Trigonometry (grades 10-11)

Fall 2010        SUNY Albany (Albany, NY)

*Tutor*

- Part-time position tutoring pre-calculus and calculus students in the math department tutoring room

2004 - 2008    Albany High School (Albany, NY)

*Teaching Assistant*

- Full-time position as math lab teaching assistant (grades 9-12)
- Extensive experience working with special needs students
- Short-term teaching experience in the Math A (Algebra 1) curriculum

## VOLUNTEER EXPERIENCE

---

- 2018 - 2022      National Jazz Museum in Harlem (New York, NY)  
*Audio Technician*
- Spring 2017      Richard R. Green High School of Teaching (New York, NY)  
*Teaching Assistant*
- 2010 - 2012      La Salle Institute (Troy, NY)  
*Assistant Coach, Freshman Basketball / Statistics, Varsity Basketball*
- 2007 - 2008      Crohn's and Colitis Foundation of America (Kintersville, PA)  
*Camp Oasis Summer Camp Counselor*
- Spring 2004      Albany High School (Albany, NY)  
*Tutor*
- 2001-2002      WCDB Albany (Albany, NY)  
*Radio DJ*

## AREAS OF EXPERTISE

---

- Algebra
- Geometry
- Trigonometry
- Pre-calculus
- Calculus

## RESEARCH INTERESTS

---

- Mathematical logic
- Proof theory
- History of foundations of mathematics
- Philosophy of mathematics
- Epistemology
- Artificial intelligence

## REFERENCES

---

References and letters of recommendation are available upon request.