

# Jarred Bettencourt

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Intellectually curious and eager to learn graduate student pursuing a research position, internship, or job within the field of Computer Science, and/or Mathematics.

## EDUCATION

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- Master of Science, Computer Science** January 2022 – December 2023  
*University of Massachusetts Amherst, Amherst, MA* GPA: 4.0/4.0
- Recipient of UMass Amherst Bay State Fellowship
- Bachelor of Science, Computer Science & Mathematics (Double Major)** August 2018 – December 2021  
*University of Massachusetts Amherst, Amherst, MA* GPA: 3.9/4.0
- Mathematics Concentrations: Applied Mathematics, and Statistics
  - Member of the UMass Amherst Math Club
  - Dean's List Recipient (All Semesters)

## RELEVANT EXPERIENCE

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- Web Development Intern** May 2019 – June 2020  
*Convention Data Services, Bourne, MA*
- Developed websites for clients that host trade shows around the world with attendees ranging up to 200,000+ people
  - Used version control (Git) to collaborate cooperatively with other developers on web pages
  - Also assisted in database editing to maintain coherent web pages for clients

## PROFESSIONAL EXPERIENCE

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- Teaching Assistant & Grader (Computer Science)** January 2022– Present  
*University of Massachusetts Amherst, Amherst, MA*
- Assisting instruction of CS453 (Computer Networking) at UMass Amherst during Spring 2022
  - Grading student assignments for CS550 (Intro. to Simulation) at UMass Amherst during Spring 2022
- Adobe Research Assistant (Computer Science/Mathematics)** May 2021– Present  
*University of Massachusetts Amherst, Amherst, MA*
- Devising a sensitivity model for Adobe Machine Learning models that aimed to improve efficiency and reduce cost by retraining based on error analysis rather than fixed-interval retraining
  - Directly funded, supervised, and managed by Adobe, Inc. while working under Dr. Peter Haas of UMass Amherst
- Undergraduate Research Assistant (Mathematics/Biology)** August 2018 – December 2018  
*University of Massachusetts Amherst, Amherst, MA*
- Performed long term statistical analysis on correlation between antibiotic quantities in food and antibiotic resistance in food borne pathogens under Dr. Margaret Riley over a four-month time span for the university and town of Amherst

## COMMUNITY INVOLVEMENT

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- Calculus I & II Teaching Assistant** August 2017– May 2018  
*Wareham High School, Wareham, MA*
- Assisted senior students in high school with AP Calculus AB and BC
  - Made lesson plans for class with teacher consistently to most efficiently use class time for teaching
  - Successfully raised the average calculus test scores in Wareham High School
- Intern Reporter** January 2016 – June 2016  
*Wicked Local Wareham, Wareham, MA*
- Wrote weekly editorials and news articles about events happening in Wareham for the popular local newspaper
  - Published reviews for Game of Thrones during its sixth season run in 2016

## SKILLS

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**Software/Programming:** Java, Python, HTML, PHP, CSS, JavaScript (Node.js), SQL, Git, ASP, LaTeX, AutoCAD, Adobe Premiere Pro, Adobe Photoshop, C/C++, Unix

**Mechanical:** Building computers from scratch with materials and basic mechanical tools

**Languages:** Native/Fluent in English, Working Proficiency in Spanish with 5 years of formal instruction