CAMERON A. BRADY

(845) 264-3972 | cab495@cornell.edu | cameronbrady.dev

Dedicated educator with 7+ years of experience teaching K-12 and college-level students in mathematics, computer science, and sciences. Committed to equitable, individualized instruction and pursuing NYS certification in Mathematics Education.

EDUCATION

Cornell University | College of Agriculture & Life Sciences　　　　　　　　　　　　　　　**Ithaca, NY |** *May 2024*

Bachelor of Science in Interdisciplinary Studies — Computer Sciences | Applied Economics & Management | Agricultural Studies

TEACHING & EDUCATION EXPERIENCE

Arlington Central School District　　　　　　　　　　　　　　　　　　　　　　　　　　　**LaGrangeville, NY**

Substitute Teacher and Teaching Assistant — K-12　　　　　　　　　　　　　　　　　　　*November 2024 – Present*

- Leading full-class instruction independently across K-12 in mathematics, science, social studies, and English within a diverse district of over 7,600 students (40% minority enrollment, top 1% statewide for diversity), serving students across socioeconomic, cultural, and linguistic backgrounds.
- Differentiating instruction for classrooms with diverse learner profiles, including students with Individualized Education Programs (IEPs) and 504 plans, ensuring all students remain engaged and supported.
- Communicating detailed qualitative and quantitative progress updates to permanent staff, collaborating on strategies to address individual learning gaps and reinforce classroom expectations.
- Building rapport quickly with students across age groups, backgrounds, and cultures through consistent behavior management, positive reinforcement, and structured engagement strategies that maintain productive learning environments.

Private Education　　　　　　　　　　　　　　　　　　　　　　　　　　　**Remote / Dutchess County, NY**

In-Person & Virtual Private Tutor　　　　　　　　　　　　　　　　　　　　　　　　*October 2018 – Present*

- Providing individualized instruction to K-12 and college-level students in mathematics (Pre-Algebra through AP Calculus BC), computer science (introductory through Machine Learning), and sciences (Earth Science through AP Physics C).
- Designing custom study guides, problem sets, and review materials tailored to each student's learning gaps, building conceptual fluency alongside procedural skill.
- Achieving measurable academic growth, with students consistently improving from below 70% to the 85–100 range on average, typically within the first few sessions of instruction.

Cornell Dyson School of Management　　　　　　　　　　　　　　　　　　　　　　　　　　**Ithaca, NY**

Head Teaching Assistant — AEM 3020: Farm Business Management　　　　　　　　　　　　*August 2022 – January 2024*

- Led a team of five TAs while delivering lectures on technical business and financial concepts to students of varied academic backgrounds, establishing standardized workflows for grading and office hours and developing an ability to break complex material into accessible, scaffolded explanations.

COMMUNITY LEADERSHIP & SERVICE

The Clover Project, Inc.　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Hyde Park, NY**

Chief Executive Officer & Co-Founder　　　　　　　　　　　　　　　　　　　　　　　*February 2019 – May 2024*

- Co-founded a mission-driven initiative to combat food insecurity in Dutchess County, managing six directors and over 250 volunteers to cultivate and distribute over 25 tons of produce to local food banks and soup kitchens, while building tracking systems and documenting all procedures under a transferable community garden model.

Community Mindfulness Project　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Remote**

Independent Nonprofit Consultant　　　　　　　　　　　　　　　　　　　　　　　*December 2024 – May 2025*

- Advised the board on strategic program development and governance best practices, helping clarify organizational vision and improve operational decision-making.
- Created a comprehensive digital board handbook with information flow diagrams, policy documentation, and a centralized document repository modeled on best practices among similar nonprofits.

ADDITIONAL EXPERIENCE

Astral AI　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Remote**

Full-Stack AI Software Engineer　　　　　　　　　　　　　　　　　　　　　　　　*June 2025 – Present*

- Designing and building full-stack web applications and automation tools, strengthening skills in problem decomposition, project management, and technical communication.
- Developing AI-powered research and content tools that streamline complex workflows and make information more accessible.

SKILLS & INTERESTS

Subjects Taught: Mathematics (Pre-Algebra – AP Calculus BC) | Computer Science (Introductory – Machine Learning) | Science (Earth Science – AP Physics C) | All Elementary & Middle School Subjects

Pedagogical Skills: Differentiated Instruction | IEP & 504 Accommodation | Curriculum Design | Assessment Development | Classroom Management

Technical Skills: Microsoft Office | Google Suite | Full-Stack Development | Machine Learning | Data Analytics | AI for Education

Interests: Mathematics Education | Education Technology | Food Security | Nonprofit Organizations | AI Governance