

Julie Hohenberg

juliehohenberg@gmail.com | (508) 397-3733 | juliehohenberg.com

EDUCATION

Boston College, Measurement, Evaluation, Statistics & Assessment (MESA) Department

Chestnut Hill, MA

Master of Science in Data Science

Expected August 2027

Cumulative GPA: 4.00/4.00

- Data Science Program Ambassador, Dean's Scholarship

Boston College, Morrissey College of Arts & Sciences

Chestnut Hill, MA

Bachelor of Science in Computer Science, Minor in Data Science

May 2026

Cumulative GPA: 3.95/4.00

- Summa cum laude, Phi Beta Kappa Honor Society, Full-Tuition Scholarship, Teaching Assistant

EXPERIENCE

Chewy

Boston, MA

AI Fellow

July 2026 - PRESENT

- Conduct internal discovery to identify high-impact problems and disruptive solutions to present to VP of AI (Jeff Greenfield).
- Own development of agentic clinical-audit framework for Chewy Health with clinician-in-the-loop validation and integrated clinical search; projected to save over 3,700 clinical hours annually.

Revision

Boston, MA

Co-Founder & Venture Lead

November 2025 - May 2026

- Fine-tuned Stable Diffusion Turbo (LoRA) to generate post-surgery breast augmentation outcome visualizations from pre-surgery images.
- Won first place at Boston College Elevator Pitch Competition, securing \$1,500 in funding from SSC Venture Partners.
- Secured data-sharing partnerships with two high-volume breast augmentation clinics through cold calls.

Ranger Ultrasound-AI Lab

Chestnut Hill, MA

Research Assistant

May 2024 - May 2026

- Developed a deep learning U-Net model to predict body composition from ultrasound images, reaching over 80% accuracy across multi-site hospital data.
- Led model interpretability using Grad-CAM, serving as a technical-clinical liaison to align technical work with clinical requirements.
- Worked with hospitals in Minnesota, Boston, and Ethiopia to publish multiple peer-reviewed papers.

Dell Technologies

Hopkinton, MA

Data Science & AI Intern

June 2025 - August 2025

- Developed a sentiment analysis model trained on historical escalation data to identify high-risk service cases, achieving 75% accuracy in flagging high-risk cases.

Calico Care

Boston, MA

AI Consultant

June 2025 - August 2025

- Developed a nurse-in-the-loop AI triage system to analyze older adults' biometric data and deliver personalized, supportive feedback.

Prud'hommeaux Computational Linguistics Lab

Chestnut Hill, MA

Research Assistant

June 2023 - May 2024

- Developed a natural language processing (NLP) model to rate utterances on a scale of 1-3 for politeness, uncertainty, and information content; will inform future computational linguistics research.
- Co-authored poster accepted to the International Society for Autism Research (INSAR) 2025 Annual Meeting.

SKILLS

- **AI/ML:** RAG, harness engineering, multi-agent systems, model evaluation, fine-tuning, human-in-the-loop systems, deep learning, computer vision, model interpretability
- **Data Science:** Statistical modeling, advanced analytics, data visualization, machine learning
- **Languages & Tools:** Python, SQL, PyTorch, scikit-learn, Pandas, Git/GitHub

PUBLICATIONS & PRESENTATIONS

- He, K., Hohenberg, J., Li, Y., Cho, H., Nagel, E., Ramel, S., Bell, K. A., Park, J., Wei, D., & Ranger, B (2025). *Enhancing Newborn Health Assessment: Ultrasound-based Body Composition Prediction Using Deep Learning Techniques*. **Ultrasound in Medicine & Biology**. [Read full paper here](#).
- He, K., Li, Y., Cho, H., Hohenberg, J., Nagel, E., Ramel, S., Bell, K. A., Park, J., Wei, D., & Ranger, B. (Dec 4, 2025). *Developing a Deep Learning Approach for Automated Body Composition Prediction in Newborns using Ultrasound Images*. **IEEE Access**. [Read full paper here](#).
- He, K., Li, Y., Cho, H., Hohenberg, J., Nagel, E., Ramel, S., Bell, K. A., Park, J., Wei, D., & Ranger, B. (Feb 21, 2025). *Deep learning for predicting newborn body composition from ultrasound images: preliminary results*. Abstract presented by Bryan Ranger at the **12th International Symposium on In Vivo Body Composition Studies (ISBCR)**, Auckland, New Zealand.
- He, K., Li, Y., Cho, H., Hohenberg, J., Nagel, E., Ramel, S., Bell, K. A., Park, J., Wei, D., & Ranger, B. (Nov 13, 2024). *Designing a deep learning pipeline for newborn body composition prediction using ultrasound images: initial results*. Abstract presented by Bryan Ranger at the **IEEE Biomedical Health Informatics (BHI) Conference**, Houston, TX.
- Hay, E.; Potter, T.; Hohenberg, J.; Silverman, L.; Prud'hommeaux, E (2025). *How Do Virtual Communication Settings Impact Pragmatic Language in Autistic Adults?* **International Society for Autism Research (INSAR)**, Presented by Emily Prud'hommeaux.