

Ryan Dodd

ryan@ryandodd.org | Portfolio: ryandodd.org | (847) 340-4582

EDUCATION

Bradley University, Peoria, IL

Master of Science in Computer Science

Expected Graduation in May 2028

- Researching Computer Vision under Dr. Sherif Abdelfattah

Bachelor of Science in Computer Science, *Summa Cum Laude*

Graduated May 2026

- Minors in Mathematics and Music
 - Entrepreneurial Scholar and Honors Program
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EXPERIENCE

First Trust Portfolios, L.P., Wheaton IL

Enterprise Computer Science Intern

June 2025 - July 2025

- Engineered time-constraint logic for an internal job scheduling system, preventing triggered events from executing outside allowed windows, validated against scheduling requirements
- Designed and implemented a job cloning feature for a tree-structured dependency system, handling recursive duplication of parent and child job relationships
- Built automated adoption tracking that identified non-adopters of new features and triggered targeted outreach emails, supporting rollout without manual follow-up

Bradley University, Peoria IL

Extended Reality Graduate Researcher

May 2026 - Present

- Developed extended reality (XR) training applications in Unity targeting Meta Quest 3 and desktop platforms under a \$12.5M UDRI/AFRL-funded research contract
- Trained and evaluated YOLO-based computer vision models for real-time edge-device performance, collaborating daily with a full-time research team
- Attended IEEE/CVF CVPR 2026, one of the premier venues in computer vision research

Resident Advisor

January 2023 - May 2026

- Administered StarRez residential management software for 1,000+ resident records, managing security permissions, enabling mobile staff access, and authoring training documentation for role-specific use cases
- Led "Enthusiasm", a cross-building staff engagement initiative spanning 5 buildings, and served as responding RA during a critical on-campus incident, coordinating resident safety under pressure

Senior Service Desk Consultant

May 2023 - May 2026

- Led migration from SolarWinds Web Help Desk to SolarWinds Service Desk, transferring 120 knowledge base articles, authoring service request templates, and building automation workflows in the new system
 - Deployed and maintained an open-source IT homepage on local hardware, negotiating domain integration with university administration to route library traffic through a self-hosted internal tool
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PROJECTS

Dormly Software, LLC (dormlysoftware.com)

March 2025 - Present

- Designed and developed two prototype applications with React Native, React, and NextJS
 - Managed a five-person team using Trello and Discord to successfully steer the company toward objectives
 - Authored and ran a full-year senior capstone project at Bradley University focused on course catalog, degree auditing and student management
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SKILLS

- **Languages:** C++, C#, Lua, Java, Python, Dart, JavaScript, HTML/CSS, TypeScript, SQL, Delphi, LISP
 - **Frameworks & Tools:** React, React Native, Next.js, Node.js, Unity, Flutter, Firebase, MongoDB, Supabase, Git, Jira
 - **AI/ML:** YOLO, PyTorch, OpenCV, Llama, Qwen, Edge Device Deployment
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AWARDS

- Eagle Scout
- Summit Award
- R.D. Dunkin Leadership in Service Award
- Bradley University CS&IS Outstanding Student Award