Brett Dupont

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EDUCATION

University of New Hampshire (UNH) - Durham, NH   **Expected: May 2026**
Bachelor of Science in Computer Science   *GPA: 3.91*
- Dean's List: Fall 2022 through Spring 2025 (4 Highest Honors, 2 High Honors)
- Related Coursework: Computer Organization & Systems Programming, Data Structures & Algorithms, Programming Language Concepts & Features, Object-Oriented (O-O) Design & Development, Computer Graphics, Reinforcement/Machine Learning, Natural Language Processing

RELATED EXPERIENCE

UNH Interoperability Labs (UNH-IOL) - Durham, NH   **August 2023 - Present**
Passive Optical Network (PON) Test Technician and Software Developer
- Execute testing on PON equipment across multiple test plans (TR-255i2, TP-247, other proprietary plans)
- Developed and reviewed automated test scripts in VB.NET, reducing the # of manual tests by over 50%
- Collaborated in Agile team to deliver technical documentation and create/improve test automation
- Awarded UNH-IOL Student Leadership Scholarship for technical excellence and mentorship of peers
- Received UNH-IOL Star Award for individual achievement and UNH-IOL Nebula Award for the PON team's success

TECHNICAL SKILLS

- Programming Languages: C, C++, Python, Java, Scala, VB.NET, HTML/CSS
- Operating Systems: Windows and Linux
- Frameworks & Tools: Android Studio, RegEx, Git/GitHub, Jira/Bitbucket, .NET, REST APIs
- Other Skills: O-O Design, Agile Development, Atlassian Workflow

RELATED PROJECTS

FreeFall Analysis - Durham, NH   **September 2025 - Present**
Team Member
- Developed Python application aimed at parsing and displaying data from ocean engineering penetrometers
- Followed an Agile workflow, ensuring maximum efficiency and delivering working prototypes on schedule
- Architected a robust and expandable codebase by consistently applying scalable design principles

BulletZone - Durham - NH   **January 2024 - May 2024**
Team Leader
- Led team of four in building an Android game with RESTful client-server communication
- Established version control best practices in Git/GitLab, increasing merge efficiency and reducing conflicts
- Applied O-O design models to ensure scalable and maintainable architecture

LEADERSHIP/COMMUNITY ENGAGEMENT

Scituate STEAM Collaborative - Scituate, MA   **March 2020 - April 2020**
Volunteer
- Coordinated events for children, encouraging experiential learning through scientific experiments and demonstrations related to Science, Technology, Engineering, Arts, and Math (STEAM)
- Mentored students to instill an interest in STEM-related fields by relaying personal experience

ADDITIONAL EXPERIENCE

Aubuchon Hardware - Cohasset, MA   **May 2020 - August 2023**
Salesperson/Merchandising
- Enhanced customer experience by tailoring product recommendations and solutions
- Adopted larger responsibilities such as counting registers, re-merchandising aisles, and managing store inventory
- Strengthened leadership by mentoring new employees and delegating daily tasks