William Parker

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| **EDUCATION** | Massachusetts Institute of Technology (MIT) – Cambridge, MA Bachelor of Science in Computer Science and Engineering GPA: 4.8/5.0  Relevant Coursework: Algorithms, Machine Learning, Software Engineering, Computer Systems, Databases | Graduation: **June 2025** |
| **TECHNICAL SKILLS** | **Languages:** Python, JavaScript, C++, SQL **Frameworks:** React, Node.js, Flask, TensorFlow **Tools:** Git, Docker, AWS, Linux, PostgreSQL | |
| **EXPERIENCE** | **Software Engineer** | |
| Ardent Technologies, Boston, MA | **June 2024 – August 2026** |
| * Designed and deployed a full-stack web dashboard using React and Flask for internal analytics, reducing data access time by 40% * Collaborated with team members to improve codebase and documentation * Wrote 60+ unit and integration tests (92% code coverage) | |
| **Teaching Assistant – Introduction to Python** | |
| MIT EECS Department | **Feb 2024 – May 2024** |
| * Held weekly office hours and mentored over 30 students * Graded assignments and provided detailed feedback on coding practices * Assisted educators in creating training materials and example programs | |
| **Software Engineering Intern** | |
| Ardent Technologies, Boston, MA | **June 2023 – Feb 2024** |
| * Assisted course staff with developing instructional materials and coding examples * Assisted in creating automated tests to improve code coverage and functionality | |
| **PROJECTS** | **AI-Based Resume Parser** | Python, Flask, SpaCy   * Built an NLP-powered web app that extracts structured information from PDF resumes * Integrated PDF parser, named entity recognition, and database for structured export * Achieved 87% accuracy compared to manual parsing in test set   **Smart Room Occupancy Detector** | Raspberry Pi, OpenCV, C++   * Developed a vision-based system to detect room occupancy using video feed * Reduced false detections by implementing motion filtering and edge detection * Collaborated with a team of 5 engineers in Agile sprints to deliver bi-weekly features | |
| **LEADERSHIP & ACTIVITIES** | **President**, MIT Hack Club | Organized 3 hackathons with 200+ participants  **Member**, IEEE Student Chapter  **Volunteer**, Code for Boston (Nonprofit open-source contributor) | |
| **AWARDS** | * **Winner**, MIT AI Challenge 2023 – Best NLP Project * **Dean’s List** – All Semesters | |