

DECLAN BLANCHARD

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EDUCATION

New Jersey Institute of Technology
Bachelor's, Computer Science

May 2026
3.8 GPA

EXPERIENCE

Patreon

Software Engineer Intern

New York, NY

May 2025 - August 2025

- Streamlined operations for **200+** engineers by launching a **Python-based ChatOps** platform to automate tasks such as canary deployments, remote server provisioning, and on-call lookups
- Migrated the platform from an ad-hoc EC2 instance to **Kubernetes** (EKS), leveraging **Terraform**, **CircleCI**, **Argo CD**, and **Datadog** for comprehensive monitoring
- Collaborated cross-functionally to cut support-ticket lookup time from **minutes to seconds** by delivering a **Zendesk API + Slack SDK** workflow

New Jersey Institute of Technology

Full Stack Developer

Newark, NJ

January 2025 - Present

- Developed a course-planning web app for **10,000+** students, including tools for schedule **comparison**, **optimization**, and **semester-by-semester tracking**
- Built with **React + Next.js (TypeScript)** and **Node.js**, backed by **MongoDB**
- Managed client state with **Zustand** and standardized UI with **Mantine** and **Tailwind CSS**

The Coder School

Code Tutor

Berkeley Heights, NJ

March 2024 - August 2024

- Taught fundamentals to **15+** students across **Python**, **Java**, **JavaScript**, **C/C++**, **PHP**, and **SQL**
- Introduced version control and shell basics with **Git**, **Linux/Unix**, and **Bash**
- Collaborated with educators to develop a **JavaScript** browser extension that improved student focus

SKILLS

Languages: Python, C, C++, JavaScript, TypeScript, SQL

Full Stack: React, Next.js, Vue, Node.js, MongoDB, Zustand, Tailwind CSS, Slack SDK, Zendesk API

DevOps & Tooling: AWS, Datadog, Kubernetes, Terraform, Argo CD, CircleCI, Git, Bash

PROJECTS

Mini C-Like Programming Language

- Implemented lexer and recursive descent parser in **C++** with careful memory management
- Compiled and tested on **Linux** using **Bash** scripts to manage **50+** test cases, ensuring robust functionality

INVOLVEMENT & LEADERSHIP EXPERIENCE

Student Senate Committee for Student Affairs

- Championed student-focused initiatives including upgraded bathroom amenities, extended gym hours, and commuter-friendly cafeteria equipment
- Facilitated campus events in collaboration with university leaders
- Strengthened student safety via fraternity/sorority risk prevention and expanded access to facilities

Association for Computing Machinery

- Participated in advanced workshops, coding competitions, and industry speaker sessions
- Engaged in discussions on emerging technologies such as AI, blockchain, and cloud computing, applying knowledge to personal projects and coursework