

# DECLAN BLANCHARD

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## EDUCATION

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### New Jersey Institute of Technology

Bachelor's, Computer Science

May 2026

3.8 GPA

## EXPERIENCE

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### 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 over **10,000+** students including tools for schedule **comparison**, **optimization**, and **semesterly 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**

### theCoderSchool

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

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**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

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### 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

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### Student Senate Committee for Student Affairs

- Led student advocacy initiatives resulting in improved campus resources for 10,000+ students
- Collaborated directly with university leadership to improve campus life