

# Alec Custer

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## PROFESSIONAL EXPERIENCE

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### Software Engineer II

January 2022—December 2023

#### Condé Nast

San Diego, CA

- Maintained an internal marketing platform responsible for facilitating the user purchase and subscription flow across all Condé Nast digital publications.
- Worked closely with designers to develop new paywall features and visual units, as well as with marketers to utilize and deploy these units in targeted marketing campaigns.
- Contributed to an organization-wide infrastructure migration from an in-house deployment service to a new stack leveraging AWS, Kubernetes, Terraform, and other Infrastructure as Code (IaC) tools.

### Senior Software Engineer

September 2020—January 2022

#### Xperi Corporation (merged with TiVo in June 2020)

Durham, NC

- Led new initiatives to improve the maintainability and performance of the Personalized Content Discovery Engagement Console, including: an overhaul of the app's build process, leading to an overall bundle size reduction of over 50%; a significant expansion of unit and integration test suites; and the introduction of route-based lazy module loading, decreasing the initial JS payload by another 50%.
- Oversaw and contributed to new project upgrades and integrations, from executing Angular major version updates to integrating with modern web development tools, including ESLint, Prettier, and the Cypress end-to-end testing framework.
- Served as an appointed member of Xperi's Diversity and Inclusion Council, which works to promote equity and inclusivity within the company, and additionally led a newly-formed Education & Mentorship D&I subcommittee.

### Software Engineer

August 2018—September 2020

#### TiVo

Durham, NC

- Improve and support TiVo's PCD Engagement Console by implementing new user-facing features, upgrading and maintaining project dependencies, reporting and fixing bugs, and monitoring the user experience alongside TiVo's Quality Assurance (QA) team.
- Participate in daily stand-ups and bi-weekly iteration-planning meetings to evaluate development tasks and determine team sprint goals.

### Associate Software Engineer

June 2017—August 2018

#### TiVo

Durham, NC

- Maintained and enhanced various TiVo software products, including video players and viewership analytics libraries for iOS, Android, HTML5, Apple TV, Universal Windows Platform (UWP), and Roku.
- Communicated with business customers to help triage and resolve support tickets (Zendesk), respond to user requests, and deploy new product releases.

### Full Stack Developer

September 2016—May 2017

#### Davidson College

Davidson, NC

- Built dashboards using Angular 2 and Kendo UI components that supply data insights for questions posed by the college's IT department, including which student demographics use a school-provided laptop rental service, and which "davidson.edu" emails appear in the "Have I Been Pwned" registry of compromised addresses.
- Assisted students and staff with various web development projects, from teaching students how to deploy digital assignments to their personal domains, to writing a custom JavaScript widget for the college's poster-printing student portal.

## EDUCATION

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### Davidson College

May 2017

#### B.A. with Honors in Digital Studies, *cum laude*

Davidson, NC

Minor in Computer Science

## TECHNICAL COMPETENCIES

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**Core Languages:** JavaScript (TypeScript), Java, Python | **Project Configuration & Deployment:** Ansible, Jenkins, Maven, Netlify, Nexus

**Web:** HTML, CSS, SCSS | **Automated Testing:** Cypress, Mocha, Robot Framework, Selenium | **Agile:** Confluence, Jira, Testrail

**Frameworks & More:** Angular 2+, ESLint, Gatsby, Git, Google Analytics, NodeJS, NPM, Prettier, React, RxJS, Stylelint, Tailwind, Webpack