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# DUNCAN BARNES

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## EDUCATION

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**Bachelor of Science: Computer Science, 2024**  
**California Baptist University - Riverside, CA**

- **ABET Accredited**
  - 3.0 GPA
  - Relevant Coursework: Data Structures, Algorithms, Artificial Intelligence, Software Engineering, Discrete Structures, Operating Systems and Networking, Human-Computer Interaction, Graphics and Visual Computing, Theory Of Computation, Embedded Systems
  - **National Society of Black Engineers Chapter President**
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## EXPERIENCE

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**Information Security Engineer, 10/2024 - Current**  
**Fremont Bank – Livermore, CA**

- Triage and resolve Vectra alerts within five minutes, minimizing risks and ensuring compliance with incident response standards, achieving a 15% reduction in false positives .
- Conduct weekly SOC 1 and SOC 2 risk assessments and vulnerability scans, identifying 5-10 potential security weaknesses per scan, reducing the risk exposure by 20%.
- Manage the KnowBe4 security awareness platform by creating monthly phishing and awareness campaigns, driving compliance training for 1,000+ employees, and enhancing bank-wide security policies.
- Automate QRadar alerts using Python to streamline incident detection and response, cutting manual intervention time by 30%.

**Software Engineering Intern, 08/2023 - 11/2023**

**I Am I Authentications – Remote**

- Supported 2 software development teams, assisting with the creation of a test environment
- Wrote approximately 500+ lines of Python and React.js code, contributing to ongoing projects
- Participated in 10+ code reviews, helping maintain code quality standards
- Investigated and helped resolve 5+ application functionality issues during the internship period

**Project Management Intern, 05/2022 - 08/2022**

**Thales Group – San Jose, CA**

- Leveraged Jira and Confluence to create and maintain documentation for 5 concurrent projects
  - Assisted in tracking financial data for 2 projects, compiling information into weekly spreadsheets for project managers' review
  - Facilitated day-to-day operations for 2 senior project managers, handling an average of 10 assignments per week
  - Created multiple detailed project plans, presenting them to the scrum master and a team of 5+ project engineers
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## NOTABLE PROJECTS

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**Sign Language Augmented Reality Software**

- Collaborated with a team of 4 to develop a HoloLens 2 application that reads and displays hand symbols to users
- Implemented TensorFlow as the deep learning framework for training the AI model.

**Social Media App**

- Led a team of 5 in designing a video-based platform for iOS and Android, connecting students to employers and recruiters based on student individuality and enabling project posting
- Competed in two business plan competitions and placed 2nd and 3rd place

**Interactive Campus Buildings App**

- Engineered an interactive campus map app using Flutter, Firebase, and Google Maps API, enabling users to navigate to classrooms and report security issues
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## SKILLS

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- **Programming Languages:** Java, Python, C++, Flutter, React, HTML/CSS, C#, SQL, Tensorflow
- **Operating Systems:** MacOS, Microsoft Windows, Linux, Ubuntu, Kali Linux
- **Project Management:** Jira, Confluence, Microsoft Projects
- **Applications, Other Software:** Microsoft Office, Microsoft Azure, Google Workspace, GitHub, AutoCAD