

Ben Smith

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Education

Texas A&M University

Bachelor of Science in Computer Science, Minor in Mathematics

University Research Scholar

Overall GPA: 3.38

Major GPA: 3.62

College Station, TX

2014–2018

Experience

Amazon

Software Development Engineer II

Seattle, WA

August 2018 – present

- Developed the core Android UX flows enabling enrollment and identification on Amazon One devices
- Lead the team responsible for the image processing services powering the Amazon One device biometric recognition system
- Leveraged bespoke machine learning models and OpenCV to identify palms against hundreds of thousands of enrolled customers
- Designed and built software to process critical data in embedded hardware environments to maintain high security controls
- Launched 10,000+ Amazon One devices in the U.S. and other countries
- Delivered Alexa integrations for 3rd party Android devices including Lenovo tablets and Meta Portal

Texas A&M University Department of Computer Science

Undergraduate Research Assistant

College Station, TX

November 2015 – December 2017

- Research in robotic motion planning
- Develop and maintain C++ motion planning library
- Published undergraduate thesis on kinodynamic motion planning
- Coauthor on paper exploring topological Nearest-Neighbor filtering

Alliance Data Systems

Information Technology Intern

Plano, TX

June 2016 – August 2016

- Cloud computing transition project - lead security research group
- Responsible for testing and reporting on various IT controls
- Collaborated with the information security team on test findings

Technical Skills

Programming Languages

Experienced: Java, Kotlin

Familiar: C++, C, Python, TypeScript

Operating Systems and Platforms

Experienced: Android/AOSP

Activities and Leadership

Technical Academy Teaching Assistant, Amazon

2022 – 2023

Theta Tau professional engineering fraternity, Texas A&M University

2014 – 2018