

# Ben Smith

Seattle, Washington

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## Education

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### 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

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### Amazon

*Software Development Engineer II - Amazon One*

Seattle, WA

August 2018 – present

- Lead a team developing a variety of Android application and embedded device software
- Built core device software powering the Amazon One biometric recognition system
- Leveraged bespoke machine learning models and OpenCV to identify customer palms against hundreds of thousands of enrolled users
- Designed and built software to process critical data in isolated hardware environments to maintain the highest security controls possible
- Launched 10,000+ Amazon One devices in the U.S. and other countries

### 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

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### Programming Languages

Experienced: Java, Kotlin

Familiar: C++, C, Python, TypeScript

### Operating Systems and Platforms

Experienced: Android/AOSP

## Activities and Leadership

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Technical Academy Teaching Assistant, Amazon

2022 – 2023

Theta Tau professional engineering fraternity, Texas A&M University

2014 – 2018