

# Luke Gwaltney

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## Education

### Pennsylvania State University's Schreyer Honors College

University Park, PA  
2014 - 2018

#### B.S. in Computer Engineering

- Cumulative GPA: 3.81/4.00
- Awards and Distinctions: Dean's List, William A. Schreyer Scholarship
- Relevant Coursework: Computer Organization and Design, Communication Networks, Computer Architecture, Systems Programming, Discrete Mathematics, Data Structures and Algorithms, Operating Systems, Computer Vision, Computer and Network Security

### North Allegheny High School

Wexford, PA  
2010 - 2014

#### High School Diploma

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## Certificates

### Amazon Web Services

Valid February 2020-2023

#### Solutions Architect - Associate

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## Work Experience

### Zoll LifeVest

Pittsburgh, PA  
May 2018 - Present

#### Web Applications Engineer II

- Develop back-end software for next generation cardiac monitors using the AWS cloud platform, primarily through lambdas written using Node.JS runtime
- Support and sustain existing internal applications by shadowing clients using the app and gathering feedback on fixes and improvements that will promote efficiency
- Respond to incoming tickets from users of our existing applications in production
- Serve as scrum master for Agile development team by facilitating daily stand-ups and sprint planning, refinement, review, and retrospective meetings

### Honeywell Vocollect

Pittsburgh, PA  
May-August 2016 & 2017

#### Software Engineering Intern

- Worked on a team developing a voice-driven, cross-platform mobile application designed to enhance retail store inventory management efficiency
  - Completed projects including internationalization of entire app, addition of confirmation screens, and unit tests for settings portion of the app
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## Activities

### Urban Impact Foundation

Pittsburgh, PA  
2019 - Present

#### Volunteer

- Serve as middle school outreach basketball coach for children from across Pittsburgh
- Lead small group discussions before sermons in order to get the children thinking about the weekly topic as it pertains to their personal life

### Capturing the State of the Ethereum Ecosystem

University Park, PA  
2017 - 2018

#### Thesis

- Researched security analysis tools used to prevent vulnerable smart contracts from compromising the Ethereum blockchain
- Performed experimental analysis of these tools to systematically disprove their effectiveness

## Penn State THON

University Park, PA

### Dancer Relations Committee Member

2016 - 2017

- Participated in year-long awareness and fundraising efforts to support those impacted by childhood cancer, culminating in an annual dance marathon in February
  - Partnered with a participant in the dance marathon to help keep them on their feet for all 46 hours
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## Skills

- **Programming Languages:** Javascript, C#, SQL, C, C++, Go, Java
  - **AWS Services:** Lambda, S3, SQS, DynamoDB, API Gateway, EC2, ECS, Cloudwatch
  - **Frameworks/Runtimes:** NodeJS & NPM, .NET Core, ASP.NET MVC, React
  - **Tools:** GitLab, GitHub, Terraform, Serverless, Docker, Octopus Deploy, LaunchDarkly
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