

# ZACHARY BRUENNIG

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## EDUCATION

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**University of Kansas**  
B.S. in Computer Science  
Minor in Mathematics

August 2015 - May 2019  
Cum GPA: 3.73 / 4.0  
Minor GPA: 4.0 / 4.0

## WORK EXPERIENCE

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**Cerner - Software Engineer Intern**      Kansas City, MO      May 2018 - August 2018  
Created a service client to interact with HealtheIntent APIs, a cloud-based population health platform. Performed load testing on HealtheIntent microservices and prepared them for deployment.  
(Ruby, Rails, Java, Scala)

**Balance Innovations - Software Engineer Intern**      Lenexa, KS      May 2017 - August 2017  
Built a dashboard for tracking client-site scale device statuses. Filtered database outputs and built an API for accessing them. Created an interface for searching and displaying device information.  
(C#, PostgreSQL, JavaScript, React, CSS)

**KU Department of Mathematics - TA**      Lawrence, KS      January 2017 - May 2019  
Held office hours and review sessions, tutored students, and assisted in running intro math courses.

## PROJECTS AND LEADERSHIP

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**FlingShot**      September 2018 - Current  
Team lead for KU capstone project. FlingShot is a mobile puzzle game built in Unity. I created the level generation algorithm, deployed the app to iOS and Android, and have since maintained the project and continually add features. FlingShot earned the 2019 Niehaus award. (C#, Unity, Python)

**ACM**      August 2017 - May 2018  
Programming Club chair for KU's ACM (Association for Computing Machinery) chapter. Led weekly meetings, created programming challenge problems, and ran programming competitions. Determined the rules and served as judging coordinator at Hack KU, our school's Hackathon.

## TECHNICAL SKILLS

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<b>Programming Languages</b>	C++, C#, Python, Java, JavaScript, Lua, C, Haskell
<b>Frameworks &amp; Tools</b>	Unity, React, Rails, OpenGL
<b>Other Skills</b>	Latex, Linux/Unix, SQL

## AWARDS

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- Engineering Honor Society (TBP)	March 2017 - May 2019
- Niehaus Award (Best Senior Capstone Project)	May 2019
- KU Math Prize Competition (3x Winner)	April 2016, 2017, 2019

## LINKS

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**GitHub:** <https://github.com/zbruennig>  
**LinkedIn:** <https://www.linkedin.com/in/zachary-bruennig-964215185/>  
**Facebook:** <https://www.facebook.com/zachary.bruennig>