

ZACHARY BRUENNIG

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EDUCATION

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

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

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

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

AWARDS

- 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

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