

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 Corporation - Software Engineer Intern

Kansas City, MO **May 2018 - August 2018**

Created a service client to interact with HealthIntent APIs, a cloud-based population health platform. Performed load testing on HealthIntent 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 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 - Today

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

Frameworks & Tools: Unity, React, Rails, OpenGL

Other Skills: Latex, Linux/Unix, SQL

Awards

Engineering Honor Society (TBP)

Niehaus Award (Best Senior Capstone Project)

KU Math Prize Competition (3x Winner)

March 2017 - May 2019

May 2019

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>