Zachary Bruennig

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Education

University of Kansas   **August 2015 - May 2019**

B.S. in Computer Science   Cum GPA: 3.73 / 4.0

Minor in Mathematics   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 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 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)   **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