

Elliott Dehnbostel

Resume

WORK EXPERIENCE

GARMIN, KANSAS CITY

January 2019 - Present

Software Development Engineer

Developing both a distributed API serving millions of smart watch users per day and its associated customer support tool. Doubled test coverage by contributing a testing library. The support tool is a full stack application communicating with the core, distributed Spring application.

QUANTUM RESISTANT LEDGER, REMOTE

May 2017 - May 2018

Junior Developer and Public Liaison

Communicated with investors about the development of a novel blockchain project based on cryptography resistant to Shor's and Grover's algorithm. Also contributed to system design, research, feature design, and security analysis. Found and resolved a catastrophic exploit using black-box security analysis techniques. Peak value \$200 million.

TEXAS INSTRUMENTS, DALLAS

May 2017 - August 2017

Software Development Intern

Developed a python library to automate tests on micro-controllers, which reduced testing time from over a week by a human to just a few hours by a computer, which would then generate a "test report."

IBM, COLUMBUS

May 2016 - August 2016

Android Development Intern

Developed a cloud based, business-to-business file sharing app with instant chat functionality. Explored much of the Android SDK as the main developer of the app, with close attention to user experience.

OHIO STATE UNIVERSITY, COLUMBUS

January 2016 - May 2017

Software Teaching Assistant

Hosted office hours to answer student questions and graded software projects/written homework. Also attended lab sections to answer any questions as well as validate student's work.

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EDUCATION

2014-2018

GPA: 3.6 **The Ohio State University**
COMP. SCI. & ENGINEERING
Artificial Intelligence Focus

RECENT PROJECTS

2020 **The Canvas**

Work-in-progress to create a drawing canvas editable and shared by all connected users. Uses WebSockets and binary encoding for message size optimization.

2020 **/u/lit.word.bot (click here)**

Reddit bot which finds and defines rare, colorful words such as "Codger" and "Mahout." Top 2% bot popularity.

2019 **IMPULSE! - Are You Slow Enough?**

Brain-bending game involving self-restraint as a challenge. Available on Google Play and GitHub.

2018 **Solar Energy Production Forecast**

Utilized machine learning to forecast the production of energy by a real solar field based on actual historical weather and irradiance data.

2018 **HomeCredit Default Prediction**

Participated in Kaggle machine learning competition to predict how likely a customer is to default on their loan, given data about the person.

TECHNOLOGY SKILLS

BEST Backend, Java, Android, Spring, MySQL, Git, Subversion

BETTER Frontend, Dart, Scala, Python, Linux, Memcached, RabbitMQ, Blockchains, HBase

BASIC C, C++, x86 Assembly, \LaTeX