Elliott Dehnbostel
Resume

WORK EXPERIENCE

<div align="right">GARMIN, KANSAS CITY</div>

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.

<div align="right">QUANTUM RESISTANT LEDGER, REMOTE</div>

May 2017 - May 2018

Junior Developer and Public Liason

Communicated to investors the technical concepts and value proposition of a novel blockchain project utilizing cryptography resistant to Shor's algorithm 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.

<div align="right">TEXAS INSTRUMENTS, DALLAS</div>

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."

<div align="right">IBM, COLUMBUS</div>

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.

<div align="right">OHIO STATE UNIVERSITY, COLUMBUS</div>

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, SQL, Git, Subversion, SQL

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

BASIC — C, C++, x86 Assembly, LaTeX