PATRICK BOLLINGER

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owner@pjbollinger.com

WORK EXPERIENCE

DrChrono   Remote

Software Engineer   Feb 2019–Present

> Design elegant frameworks to solve complex problems.
> Write high-impact code to help other engineers/employees with their jobs.
> Measure, find and fix software performance issues.

Aptiv PLC (split from Delphi Automotive PLC)   Warren, OH

Hybrid and Electric Vehicle (HEV) Systems Engineer   May 2015–Feb 2019

> Lead engineering efforts as the main interface to one of our clients.
> Provide domain knowledge for customers on Vehicle Wireless Charging.
> Coordinate ways to improve management of the project.

Delphi Automotive PLC   Warren, OH

HEV Systems Engineer   May 2015–Dec 2017

> Characterize and model components in Vehicle Wireless Charging system.
> Develop internal tools using Python to model the system.
> Interact with global customers to support their requests.
> Mentor new engineers and interns who join the department.

HEV Parallel Student Intern   Aug 2014–May 2015

Youngstown State University   Youngstown, OH

Student Web Programmer / CMS Developer   Aug 2013–Aug 2014

SKILLS

Programming: Python, JavaScript, HTML, and MATLAB.

Productivity: Microsoft Office Suite, Git, and Jira.

Operating Systems: macOS, Windows, and Linux.

Engineering: EM FEM (ANSYS Maxwell/HFSS), SPICE, and 3D CAD.

EDUCATION

Youngstown State University   Youngstown, OH
M.Sc. in Electrical Engineering   May 2019
Thesis: *Prime Factorization Through Reversible Logic Gates*

Youngstown State University   Youngstown, OH
B.Eng. in Electrical Engineering *Cum Laude*   May 2015
Electrical/Computer Engineering