# Christopher Peplin

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| Employment | January 2016 - Present | |
|---|---|---|
| | Uber Advanced Technologies Group | |
| | Pittsburgh, PA | |
| | uberatg.com | |

### Senior Engineering Manager

Founded the Vehicle Platform team, the group responsible for software required to safely and securely operate real world vehicles autonomously. Our systems include the vehicle OS, mobile networking, vehicle code deployment, fault management, sensor integration and calibration, and the over-the-air API.

### Engineering Manager II

Developed a tech lead into a manager, hired an engineering manager and assuming responsibility for the Sensor Calibration team. Led the implementation of recommended actions from an internal Safety Review Group, an 18-month effort that improved our calibration and system health monitoring capabilities across the company, and set up long-term ownership.

### Engineering Manager

Transitioned to tech lead and manager for the Onboard Integration team, contributing as a full-time software engineer and technical architect while mentoring, coaching and managing the people on the team.

### Software Engineer II

Responsible for vehicle, sensor and compute software integration in C++ and Python. Combined new autonomy and robotics domain knowledge with skills in building clean code, and standing up efficient development processes.

**April 2014 - December 2015**
Stratos Card, Inc.
Ann Arbor, MI

### Lead Software Engineer

A cross-functional software engineer, team lead and project manager responsible for the Stratos Card firmware, Bluetooth API, mobile apps, backend HTTP API, web frontend and end-of-line manufacturing test rig for our partners in China. This consumer electronics product aimed to replace magnetic stripe cards with a smartphone-based, digital alternative.

**July 2011 - April 2014**
Ford Motor Company
Dearborn, MI
openxcplatform.com

### Software Research Scientist

Designed, implemented and released OpenXC to the public, an open source hardware and software platform for using data from vehicles in custom applications. Evangelized open data and open source software in the automotive industry through international workshops and speaking engagements.

| Education | 2009 - 2011 | |
|---|---|---|
| | Carnegie Mellon University | |
| | Pittsburgh, PA | |

### M.S. in Information Networking

Distributed Systems, Large Scale Internet Services & Data Center Operations, Virtualization, Data Mining

**2005 - 2009**
University of Michigan
Ann Arbor, MI

### B.S. in Computer Science

Concurrent & Parallel Systems, Databases, Web Applications, Artificial Intelligence

| Experience | Languages | C++, Python, C, Go, Java |
|---|---|---|
| | Frameworks and Tools | PTP, CAN, UDS, Sensors (Lidar, GPS, IMU, Ultrasonics), Bluetooth 2/3 and LE, Microcontrollers (PIC32, LPC1768) |