Christopher D. Sebesta

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Engineer experienced in building new-to-the-world, patented products from the ground up. Experienced in solving technically challenging problems and designing, testing, and deploying successful solutions.

SKILLS: *JavaScript – Python – Django – React – HTML – CSS – Java – Android – Git – C – Google Maps – COMSOL – LabView*

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER, BOND STREET – New York, NY   5/17 – Present

- Worked on a cross functional team to deliver small business loans via an accelerated data driven application process utilizing modern technologies
- Software development in Python and JavaScript using the Django ORM and React libraries
- Development on greenfield project to create an accelerated pre-approval stage for our loan application process
- Jumped into legacy code to reduce technical debt, remove problematic libraries, and modify or improve code

CODING SABBATICAL – New York, NY   01/16 – 4/17

- Recurse Center – Participant Fall 2016
- Privacy Badger – Contributed to open source software for a web tracker blocking chrome extension
- Citi Bike Route Planner – Angular 2 / Node / Express app to plan Citi Bike trips and get live station information related to starting and ending locations, uses the Google Maps and Citi Bike APIs
- Change Ringing – Python / Flask app to standardize change ringing notation and generate blue line diagrams and audio files from user input
- NYC Bicycle Crash Map – An android app showing motor vehicle collisions involving cyclists in NYC
- Full stack development with JS, Node, Express, Angular2, MongoDB, Python, Flask, NGINX, Heroku, interaction with Google Maps, Google Play Services, APIs, and large external databases, development for the android platform using Android Studio, Java, XML, etc.

PRODUCT ENGINEER, OXO – New York, NY   6/15 – 12/15

- Maintained and developed C code for prototype testing, debugging and release for OXO electric products
- Optimized code to fit revisions in limited flash memory space
- Led electrical side of product design for kitchen electrics designing coffee makers, grinders, blenders, etc.
- Managed overseas manufacturing house for large scale production and design for manufacturing

ADVANCED PRODUCT DEVELOPMENT ENGINEER, 3M – Austin, TX   08/11 to 3/15

- Programmed and deployed automated data acquisition to increase productivity and accuracy of lab experiments using microcontrollers, labview, SoCs, and analog sensors
- Modeled and analyzed product designs using COMSOL to reduce time and cost while avoiding wasted tooling
- Led cross-disciplinary, multi-location research team to identify and create necessary materials and sensors
- Presented product designs and technical concepts at conferences to increase customer demand and knowledge
- Conducted prior art searches, technical claims writing, and patent review to protect intellectual property

PATENTS

Power Cable Terminal Connection Device (WO2014209739)
Voltage Sensing Device (WO2015095158)
Voltage Sensor (WO2015095150)

Capacitive Temperature Sensing for Electrical Conductor (WO2016065574)
Voltage Sensor (WO2016187090)

EDUCATION

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING - UNIVERSITY OF TEXAS – Austin, TX   (GPA: 3.88/4.0)

- University Honors, Spring 2008 – Spring 2011, Graduated cum laude
- Recipient of Janelle and Henry Holman Endowed Presidential Scholarship in Engineering, 2010-2011