Peter **Sterckx**

SOFTWARE ENGINEER

☐ (+1) 843-302-2643 | ✉ pasterckx@gmail.com | 🏠 petersterckx.com | 🔗 petersterckx

Education

Clemson University   *Clemson, SC*

B.S. IN MECHANICAL ENGINEERING   *2016 - 2020*

- Graduated *summa cum laude*, GPA 3.98/4.0
- Clemson National Scholars Program, *full academic scholarship program*
- Honors College

Georgia Institute of Technology   *Metz, France*

GEORGIA TECH LORRAINE STUDY ABROAD PROGRAM   *Fall 2018*

Work Experience

Capital One   *Richmond, VA*

SOFTWARE ENGINEER - TECHNOLOGY DEVELOPMENT PROGRAM   *August 2020 - present*

- Develop and deliver a cloud-native application for case management, working on a full-stack Agile team
- Design and build complex UI features, working with product managers to ensure the best experience for customers
- Develop work is mainly in Vue, Node.js (with Nest framework), and GraphQL
- Continuously deliver code with Jenkins and help with production support using Splunk and the AWS console
- Joined Capital One through 6-month software engineering training program (Capital One Developer Academy)

Robert Bosch GmbH   *Charleston, SC*

ENGINEERING CO-OP - 2 ROTATIONS   *Summers of 2018 and 2019*

- Worked on a variety of projects to support the machining and final assembly maintenance technical team of the electronic stability program (ESP) production lines
- Supported mechanics and engineers during maintenance windows, troubleshooting a variety of mechanical and electrical systems
- Developed a web-based system for tracking the location of robot arms and controllers
- Redesigned and built a coolant monitoring system using Arduino
- Created new ways to view and understand data concerning failure of multi-component systems

Clemson Makerspace   *Clemson, SC*

INTERN   *Jan 2018 - May 2018*

- Worked 12 hours per week performing task such as machine maintenance, inventory control, equipment management, safety training, and project support
- Guided students as they used 3D printers, laser cutters, and other tools to build a variety of projects

Leadership and Involvement

CUhackit Hackathon   *Clemson, SC*

CO-FOUNDER AND CO-DIRECTOR   *Oct 2017 - Feb 2020*

- Clemson's student-run hackathon, a 24-hour idea-to-prototype event with 230+ participants
- Raised $35K and acquired 8 sponsors for the inaugural event in the spring of 2018
- Lead a team of 20+ students to host two hackathon events on campus during the 2019-2020 academic school year

Clemson Continuum Robotics Lab   *Clemson, SC*

UNDERGRADUATE RESEARCHER   *Aug 2019 - May 2020*

- Investigated the application of continuum robots to cement 3D printing applications
- Developed an analytical model for the tendon-tensions of a continuum robot experiencing nonzero gravity

Skills

Programming	HTML, CSS, JavaScript, Node.js, SQL, MongoDB, git, Python, MATLAB, Arduino
Software	SolidWorks, Excel, Power BI, SAP
Other	technical writing, project management

Honors & Awards

2020	**CODA Associate of Merit**, Capital One	*Richmond, VA*
2019	**Outstanding Junior,** Clemson Mechanical Engineering Department	*Clemson, SC*
2016	**Eagle Scout**, Boy Scouts of America	*Charleston, SC*