

Guillaume de Cannart

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EDUCATION

Cornell University

B.S. Electrical & Computer Engineering, 3.81 GPA

Cornell Design & Tech Initiative - Product Management, ENT Entrepreneurship, Cornell Maker Club, Cornell Music Production

ITHACA, NEW YORK

2020 - 2022

Tsinghua University, CN

Production Management, Engineering & Technology Management

BEIJING, CHINA

2020

Diablo Valley College

Electrical Engineering & Computer Science, 4.0 GPA

Data structures, C++/Python, Circuits, Algorithms, Electromag & Quant Physics, Differential Equations, MATLAB, Robotics

PLEASANT HILL, CALIFORNIA

2017 - 2019

Sint-Jan Berchmanscollege Brussels

BRUSSELS, BELGIUM

EXPERIENCE & DEVELOPED SKILLS

Tesla Inc.

PALO ALTO, CALIFORNIA

Software & Systems Design Engineer Intern

Jun '21 – Present

- Led Cybertruck architecture decision logs, aligning critical EE/firmware decisions across 15+ staff stakeholders
- Distilled product requirements to build internal flashing tools supporting Semi and Cyber bringup
- Worked cross-teams developing new inrush current testing hardware, reducing early eFuse failures by 80%
- Developed Python Qt GUI to automate sensor bringup, reducing validation time by 15x (PyQt, jenkins,...)
- Currently developing ReactJS frontend to display and distribute vehicle endpoint data to engineering teams

Queue Me In - Cornell DTI

ITHACA, NEW YORK

Product Manager (www.queueme.in/)

Jan '21 – Sep '21

- Product & team lead for Cornell's official OH queuing platform serving 3000+ students, leading a team of 11
- Conducted ~30 usability/user interviews for product feedback, prompting feature definition & sunseting
- Wrote PRDs for 3 new features, defining road-maps and collaborating with TPM to allocate resources
- Led product marketing strategy - designing new landing page, onboarding 200+ students and 3 new classes
- Contributed to the development of notifications, commenting, text messaging features (Figma, Twilio, React JS)

NVIDIA Corporation

SANTA CLARA, CALIFORNIA

Performance Software Engineer Intern

Jun '19 – Dec '19

- Wrote automation software & team libraries in Python, set up CI/CD & tools used in over 300 scripts
- Enhanced software efficiency in Python/Perl through re-writes, reducing automation turnaround time by 50%
- Set up benchmark routines, created reports, collaborated with prototyping/marketing teams

Viking Valley Engineering

PLEASANT HILL, CALIFORNIA

Founder & Product Lead (www.dvcrobotics.tech)

Aug '18 – Sep '19

- Led a team of 15 engineers developing an autonomous tour-guide robot, involved/mentored 50+ students
- Drove product decisions to build out a Flask Python webapp for autonomous robot control
- Integrated sensors w/ Raspberry Pi & Jetson TX2, manufactured parts (TIG, CAD)
- Coordinated and set expectations with 3 stakeholders, raised funding through AUTODESK Inc

OTHER PROJECTS

Hackathon Projects

CruzHacks - Tech Innovation Winner

Jan '19

Developed interfacing device using IMU's to control devices such as robotic arms & drones (C++, C#, RPi, Kalman fltr.)

MakeHarvard 2.0 - Buzzworks

Feb '19

Created robot that recognizes flowers for buzz-pollination & actuates motors in XYZ (OpenCV, Python, Stepper mtrs., RPi B+)

HONORS/AWARDS

- Finalist - AMATYC Math Research League
- Princeton Envision-Future Scholar
- Forbes Under 30 Scholar
- 2x winner - SAE International Engineers Week Contest
- Piano Masterclass Series Performer
- Laser 4.7 Sailing World Cup 2015 - Bronze fleet finalist

COMPETENCIES & INTEREST

Skills: Jira/Confluence/Gitlab • C++, Python, JS, MATLAB • Embedded systems • Product/Project Management • Windsurfing • Piano & Vocals • Solar Installation • Eating (I really enjoy consuming nutrients) • Memes & Puns

Languages: English (*native*) • French (*native*) • Dutch (*fluency*) • German (*fluency*) • Spanish (*fluency*) • Farsi (*beginner*)