

# JULES COMTE

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## Education

<b>Columbia University</b> , BS in Electrical Engineering Relevant Coursework: Hardware Security (graduate-level), Electronic Circuits, Circuit Analysis, Signals & Systems GPA: 3.56	<b>May 2022</b>
<b>Georgetown University</b> , BS in Computer Science <i>Phi Beta Kappa</i> Honor Society Relevant Coursework: Computer Architecture, Operating Systems, Information Assurance, Cryptography (graduate-level) GPA: 3.93	<b>May 2020</b>
<b>Phillips Academy Andover</b> , High School Diploma	<b>June 2016</b>

## Experience

<b>Columbia University Formula SAE Team</b> <i>Electrical Engineer</i> Update the car's shutdown circuit to the latest specifications, and fully implement the design on a PCB using KiCad Research, design, and implement a second PCB to easily mount and unmount the shutdown circuit onto the car Thoroughly test and validate high and low voltage systems in preparation for full car construction and assembly in the spring Integrate and work with an engineering team completely remotely throughout the fall semester	<b>September 2020 - Present</b>
<b>JoinMarket</b> <i>Bitcoin Engineer</i> Upgrade the peer-to-peer coinjoin protocol to create a native segwit version 0 orderbook Add the ability of users to change their wallet encryption passphrase from both the terminal and the GUI Implement the automation of the install process on macOS Earn experience working on open-source software with a community of volunteers spread across the globe	<b>June 2020 - September 2020</b>
<b>MemoryWell</b> , Washington D.C. <i>Full-Stack Engineer</i> Revamp the full stack of the startup's online point of sale ahead of its Series A round and drastic scaling of its product Contribute to a Django codebase with more than 10'000 lines of code, building software in Python, HTML, CSS, and JavaScript Integrate a four-person company, and build working relationships with all members of the C-suite Read <i>The Pragmatic Programmer</i> and <i>Clean Code</i> , two seminal books on software engineering Work remotely from mid-March onwards as a result of the Coronavirus crisis Receive very positive feedback from the CTO	<b>January 2020 - June 2020</b>
<b>Georgetown University Ballroom Team</b> <i>Treasurer</i> Lead the decision making of a seven-person board to fund and manage a \$17'000 budget Tracked our cash flows, and earned the approval of our expenses from Georgetown University Restored a precarious relationship with the university due to a previously overdrawn account	<b>August - December 2018</b>
<b>Les Glénans</b> , Concarneau, France <i>Licensed Skipper</i> Earned a nationally recognized skipper license in offshore sailing Responsible for the security of a crew of up to seven adults in all circumstances Anticipated and reacted to potentially life-threatening situations Assured the high performance of a sailboat in all weather conditions and marine environments	<b>January 2017 - July 2018</b>
<b>McDonald's</b> , Sénas, France <i>Polyvalent Crew Member</i> Thrived in a client-facing environment while constantly picking up new positions and responsibilities Adapted to an unrelenting management style in a fast-paced and high-pressure setting Won the respect of people from drastically different socio-economic backgrounds	<b>May - August 2017</b>

## Skills

**Computer Languages:** C, C++, Java, Python, HTML, CSS, JavaScript, Swift

**Tools & Frameworks:** Vim, Atom, XCode, Android Studio, Unix Command Line, Bash Scripting, GCC, GDB, Valgrind, Make, JUnit, Bootstrap, jQuery, Node.js, Express, EJS, Django, Heroku, Stripe, Git, GitHub, KiCAD, LTSpice, MatLab, Raspberry Pi, Android and iOS development