

# JULES COMTE

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## Education

Columbia University Combined Plan (Dual-Degree Program)	May 2022
<b>Columbia University</b> , BS in Electrical Engineering	
<b>Georgetown University</b> , BS in Computer Science	
Relevant Coursework: Data Structures, Algorithms, Network Security, Cryptography, Computer Architecture	
GPA: 3.9	
<b>Stanford University</b> , Visiting Student	June - August 2019
GPA: 4.0	
<b>Phillips Academy Andover</b> , High School Diploma   Martin Luther King Jr. Award	June 2016

## Experience

<b>Blockchain Technology &amp; Ecosystem Design</b> , Georgetown University	January 2019 - Present
<i>Researcher</i>	
Study cryptography, network security, and blockchain technology with the goal of finding vulnerabilities in the Bitcoin lightning network, a groundbreaking project with the potential to dramatically increase Bitcoin's transaction throughput while significantly lowering transaction fees	
<b>Georgetown University Ballroom Team</b> , Georgetown University	August - December 2018
<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>Les Glénans</b> , Concarneau, France	January 2017 - July 2018
<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	
Succeeded in my final test under the examination of a famously ruthless and exigent instructor	
<b>McDonald's</b> , Sénas, France	May - August 2017
<i>Polyvalent Crew Member</i>	
Thrived in a client-facing environment while progressively promoted to higher-ranked positions	
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	

## Projects

<b>Interpreters</b>	Present
Two interpreters built in C for a functional and an object-oriented programming language	
<b>Bitcoin/Lightning Full Node on a Raspberry Pi</b>	Present
Validates and relays bitcoin transactions while maintaining a copy of the blockchain	
<b>Encrypted Message Broadcasting Command Line Application</b>	September 2019
Built in python, encrypts, decrypts, authenticates, and broadcasts messages from one client to all others	
<b>Power Bank Sharing Startup</b>	June - August 2019
Led the conception of the strategy, iterating according to customer feedback	
Pitched to both teachers and investors over the course of Stanford's Tech Entrepreneurship course	
<b>Portfolio Website</b>	June 2019
Built a website to host the artwork of my sister	
<b>iOS Application</b>	May 2019
Gives Georgetown students the location of open dining options at any time of the day	

## Skills

**Computer Languages:** C, C++, Java, Python, HTML, CSS, JavaScript, Swift  
**Tools & Frameworks:** Vim, Atom, XCode, Android Studio, Unix Command Line, GCC, GDB, Valgrind, Make, JUnit, Bootstrap, jQuery, Node.js, Express, EJS, Heroku, Git, GitHub, Raspberry Pi, Android and iOS app development  
**Languages:** French: Professional Working Proficiency | Spanish: Professional Working Proficiency