

# Gordon MacMaster

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## EDUCATION

**University of Vermont (UVM)**, Burlington, VT

Honors College

Bachelor of Science, Computer Science and Information Systems

Expected May 2020

- GPA: 3.98
- Computer Science Sophomore Award

Spring 2018

**Woodstock Union High School**, Woodstock, VT

June 2016

- GPA: 100.96/100
- Salutatorian

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## RELEVANT EXPERIENCE

**Research Experience**, Cybersecurity and blockchains

Fall 2018

- Conducting an independent pre-thesis research project to design and build a distributed blockchain and cryptocurrency.
- Written in Python, uses cryptography, the Flash Python-web interface, and has P2P networking abilities.

**Intern**, Pennsylvania Multifamily Asset Managers

Summer 2018-Present

- Designed and built a web based Project Management system for recipient of part of \$56 million dollar Department of Housing and Urban Development (HUD) Community Compass contract. Implemented using React JS, JavaScript, and C#. Designed and built a database for system.
- Built contact management feature for Section 8 (low income housing) property management system
- Created program to generate financial reports for individual properties under Section 8 within property management system

**Intern**, Agency of Digital Services, State of Vermont

Summer 2017

- Serve on team heading committee comprising of heads of state agencies to ensure that all technology related needs are met to efficiently serve Vermont
- Work with state agencies to find ways to better serve their needs in the digital sector

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## TECHNICAL SKILLS

### Languages

- ReactJS, Python, Java, C, C#, C++, Go, JavaScript, HTML, PHP, CSS, SQL, MySQL, NodeJS

### Software Experience

- Environments: Windows, Unix/Linux, Mac OS
- Programs: Eclipse, Netbeans, CLion, Visual Studio
- Frameworks: ReactJS, ASP.net MVC
- Database Management: PHPMyAdmin, Microsoft SQL Server Management Studio

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## WORK EXPERIENCE

**Pool Director**, Woodstock Rec Center, Woodstock, VT

Summer 2017

- Oversee lifeguard and swim instructor staff
- Monitor water quality and equipment functionality for two pools and rec center facility

**Volunteer Firefighter**, Woodstock Fire Department, Woodstock, VT

2014-Present

- Respond to structure and forest fires and accident scenes

**Head Lifeguard**, Woodstock Rec Center, Woodstock, VT

Summer 2013-2017

- Ensured safety of pool patrons, administered basic first aid, and oversaw lifeguard staff

**Swim Instructor**, Woodstock Rec Center, Woodstock, VT

Summer 2013-2017

- Taught infants to 13 year olds swim techniques ranging from introductory skills to competitive strokes while providing a safe and fun environment for students to learn in

**Ski Instructor**, Woodstock Inn Corporation, Woodstock, VT

Winter 2013-2017

- Taught skiers of all ages and abilities skills ranging in basic safety to competitive race technique

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## ADDITIONAL ACTIVITIES

**2016, 2017, 2018 Computer Science Fair Contestant- Runner Up 2018**

**CS Crew | Alpine Ski Racing Club | Ski and Snowboard Club**