

# Nicholas Smart

## EDUCATION

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**University of Michigan** —Ann Arbor, Michigan

Bachelor of Science in Computer Science Engineering

Expected April 2019

Minor in Business — Stephen M. Ross School of Business

Cumulative GPA: 3.64

**Coursework:** Algorithms and Data Structures, Web Systems, Introduction to Computer Organization, Mathematics of Finance, Statistics and Data Analysis, Linear Spaces and Matrix Theory, Positively Leading People and Organizations

## WORK EXPERIENCE

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**Intuit, Software Engineer Intern** —San Diego, California

June 2017 – August 2017

- Created interactive cross-platform dynamic web page components using React framework
- Wrote unit and functional tests to test front end software component functionality
- Developed iOS mobile application features using Apple's Swift programming language

**Cubic Transportation Systems, Software Engineering Intern** —San Diego, California

May 2016 – August 2016

- Improved outdated software to accommodate state-of-the-art public transit ticket vending machines
- Developed a Graphical User Interface to support touch-screen for innovative vending machines
- Wrote software to thoroughly test serial port communication on a new printed circuit board

**Virtual Repetitions LLC, Operations and Development Intern** —Ann Arbor, Michigan

January 2016 – May 2016

- Utilized advanced software to track actor movements from a high definition video recording and created a digital skeleton representation of the actor throughout the scene
- Was one of the first employees for this promising start up company

## PROJECTS

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**Intuit, Feedback Widget** – San Diego, California

June 2017 – August 2017

- Built a web app feature with React that allows users to leave feedback on their experiences
- Utilized public API's to integrate feedback data with Google Sheets and company Slack channels
- Wrote thorough unit and functional tests to meet code coverage and happy path testing standards

**University of Michigan, Server-side Dynamic Pages** – Ann Arbor, Michigan

September 2017

- Worked with a small team to build a server-side, dynamic web app that resembles Instagram's website using Python Flask for dynamic route management, SQLite for database management, jinja2 for HTML templates, and CSS3 for page styling

**University of Michigan, Path Finding** – Ann Arbor, Michigan

September 2016

- Implemented Depth First Search and Breadth First Search path finding algorithms using stack and queue data structures to navigate a three-dimensional map provided from input files

**Personal, Website Development** – San Diego, California

May 2016 - Present

- Developed a personal website to act as a personal portfolio and to gain a better understanding of web development
- [www.nicholaspsmart.com](http://www.nicholaspsmart.com)

## CAMPUS INVOLVEMENT

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**Michigan FinTech, Webmaster**

September 2017 - Present

- Joined as one of the first members to aid in recruiting students, educating members on financial technology, promoting career development, and encouraging innovation
- Future website manager for the organization

**Lambda Chi Alpha, Executive Board Member and Brotherhood Mentorship Coordinator**

December 2016 - Present

- Contributed to executive meetings and handled internal chapter affairs to promote engagement from brothers

**International Programs in Engineering Study Abroad, University of Manchester**

January 2017 – June 2017

- Spent the spring semester abroad in Manchester, England

## AWARDS AND SKILLS

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**University of Michigan Honors and Deans List**

Spring 2016, Fall 2016

**Programming Languages:** C++, Python, Java, JavaScript, React, HTML5, CSS3, MATLAB

**Spoken Languages:** Proficient in Spanish