

Evan James Martin

CONTACT INFORMATION	<i>phone:</i> +1-604-816-6682 <i>email:</i> evan.martin@shaw.ca <i>website:</i> evmarts.github.io/blog ↗	2966 West 36th Ave, Vancouver, BC, Canada
EDUCATION	B.Sc. Computer Science and Statistics, University of British Columbia, Vancouver campus. Expected graduation May 2019, 3.30 GPA. View my academic background here ↗ .	
SKILLS	Highly skilled and proficient in: Python, JavaScript, MATLAB, R Statistical Software Proficient in: C, C++, Java, SQL, AppleScript Frameworks/libraries/tools: OpenCV, Python Imaging Library (PIL), urllib, numpy, BeautifulSoup, JavaScript Promises, parse5, jQuery, RegEx, Git, Adobe Illustrator.	
PROJECTS	Projects available at github.com/evmarts ↗ Meme Recycler (Python programming), see blog post ↗ <ul style="list-style-type: none">• Synopsis: Applied OpenCV and Tesseract OCR with PIL to break an Internet meme into a cropped image component and a string component. With the separated components, the program is then able to compose a recycled version of the inputted meme in a cleaner format than the original.• Challenges: Needed to be able to dynamically crop an image to remove white borders, solved by using OpenCV to recognize the boundaries of the largest rectangular component in an image. Needed to be able to recognize images of text as strings of text, solved by integrating Tesseract's optical character recognition engine.• Outcomes: Ability to take a collection of memes and recycle them into a cleaner format. Ability to analyze the textual and pictorial content of memes. Future considerations to add functionality to translate the language of a meme. Social Media Account Growth and Marketing (Internet Marketing) <ul style="list-style-type: none">• Synopsis: Grew six niche Instagram accounts via web-scraping, automated posting and image generating techniques. Became affiliated with businesses looking to advertise in my niches. Designed and sold niche-related t-shirts. Wrote a research paper on social media marketing from my experiences.• Challenges: Spent a lot of time on finding content to post to my accounts, solved by automating content generation. Spent a lot of time searching for users to attract to my accounts, solved by scraping the usernames of users who interact with other popular accounts in my niche.• Outcomes: Grew three accounts to 40k+ followers each, three accounts to 20k+ each. Learned how to use Python to navigate and analyze large lists of Instagram usernames. Learned how to use Adobe Illustrator in the design of t-shirt graphics. Learned basics of Internet Marketing. Query Engine (JavaScript and Node.js Programming) <ul style="list-style-type: none">• Synopsis: Worked with partner to build the front and back end of an engine to query a server for data on past courses offered at UBC. Made asynchronous calls using JavaScript Promises to receive JSON data. Wrote recursive function to traverse and parse deep JSON trees to collect relevant data. Provided REST endpoints for remote clients. Built website to display query results using HTML, jQuery.• Challenges: Poor planning caused us to fail to meet the first deadline. Employed advanced planning/scrum techniques to comfortably meet subsequent deadlines.• Outcomes: Received 100% grade. Saw the benefits of Agile/Scrum techniques. Practiced writing code that is modular.	
EXPERIENCE	Worked as Location Manager at Emdee's Fish and Chips, Belcara Regional Park, Port Moody, BC - Summers of 2013 and 2014.	
MORE INFORMATION	More information about what I do can be found at evmarts.github.io/blog/ ↗	