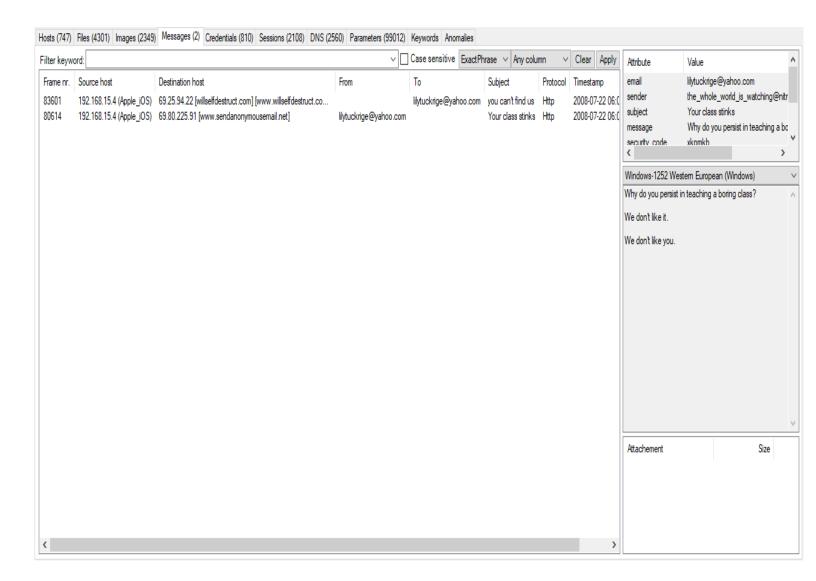
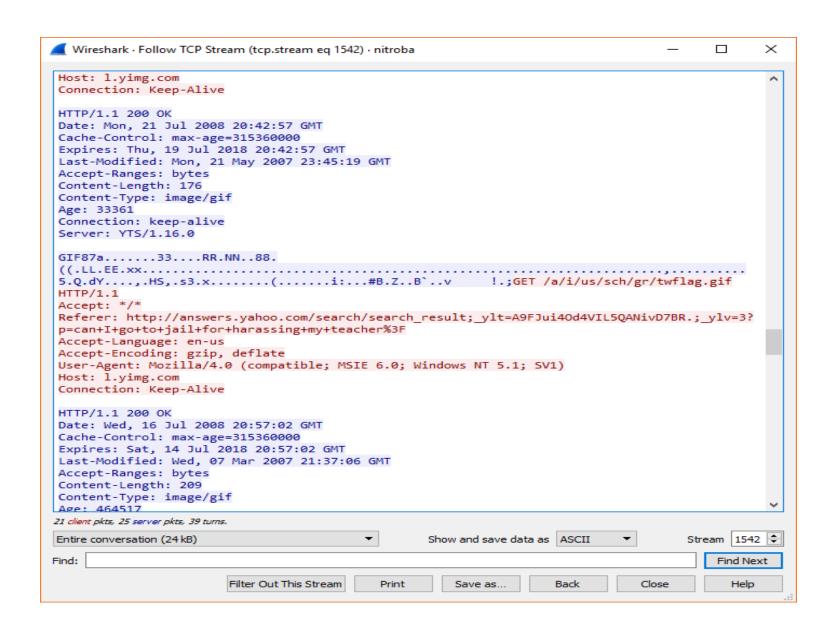
## **Digital Forensics Homework**

Johnny Coach is the one that who sent the email.

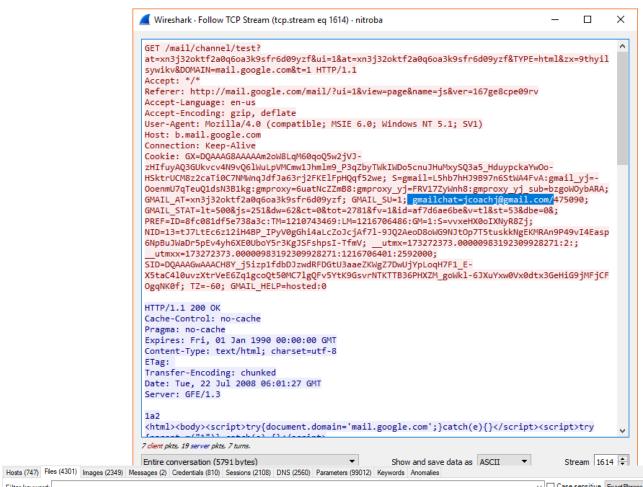
Using the NetworkMiner we can see that the email is sent from the IP adress 192.168.15.4 from an Apple iOS device.



By tracing this IP address on the given pcap file using WireShark and following some of the TCP flows we can see that this person searched for "Can I go to jail for harassing my teacher?" on yahoo seach:



On another TCP flow where destination IP address points to google chats we see that the email address of this person which is <a href="mailto:jcoachj@gmail.com">jcoachj@gmail.com</a>



Filter keyword: Case sensitive ExactPhrase v Any column v Clear											Appl
Frame nr.	Filename	Extension	Size	Source host	S. port	Destination host	D. port	Protocol	Timestamp	Rec	. [
90785	NON-914RDopen[1].jpg	ipg	480 731 B	209.17.73.6 [i253.photobucket.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 36558	HttpGetNomal	2008-07-22 06:10:12 UTC	C:\	ii.
90440	us.BEA5B7EC[3].xml	xml	304 B	209.191.93.51 [address2.pim.vip.mud.yahoo.com] [address	TCP 80	192.168.15.4 (Apple_iOS)	TCP 36526	HttpGetNomal	2008-07-22 06:09:59 UTC	C:\	ā
48627	us.BEA5B7EC[2].xml	xml	1 076 B	209.191.93.51 [address2.pim.vip.mud.yahoo.com] [address	TCP 80	192.168.15.4 (Apple_iOS)	TCP 34282	HttpGetNomal	2008-07-22 05:02:05 UTC	C:\	ā
20145	ga[1].js	js	22 759 B	209.85.171.127 [www-google-analytics.l.google.com] [ww	TCP 80	192.168.15.4 (Apple_iOS)	TCP 32896	HttpGetNomal	2008-07-22 04:30:44 UTC	C:\	v
20181	utm.gif.3D2E1B8D[1].gif	gif	35 B	209.85.171.127 [www-google-analytics.l.google.com] [ww	TCP 80	192.168.15.4 (Apple_iOS)	TCP 32896	HttpGetNomal	2008-07-22 04:30:45 UTC	C:\	v
20221	utm.gif.2F428187[1].gif	gif	35 B	209.85.171.127 [www-google-analytics.l.google.com] [ww	TCP 80	192.168.15.4 (Apple_iOS)	TCP 32896	HttpGetNomal	2008-07-22 04:30:47 UTC	C:\	v
50028	update.33C9374F[1].html	html	60 480 B	209.85.171.136 [sb.l.google.com] [sb.google.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 34466	HttpGetNomal	2008-07-22 05:19:44 UTC	C:\	S
94254	google.com[1].cer	cer	906 B	209.85.171.190 [sb.l.google.com] [sb.google.com] [sb-ssl.l	TCP 443	192.168.15.4 (Apple_iOS)	TCP 36862	TIsCertificate	2008-07-22 06:11:34 UTC	C:\	1
78984	cleardot.gif.65084796[1].gif	gif	43 B	209.85.201.189 [b.googlemail.l.google.com] [chatenabled	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35826	HttpGetNormal	2008-07-22 06:01:02 UTC	C:\	c
79014	test.9A335343[1].html	html	515 B	209.85.201.189 [b.googlemail.l.google.com] [chatenabled	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35828	HttpGetChunked	2008-07-22 06:01:02 UTC	C:\	Ŀ
79117	bind.4B5F7513[1].html	html	1 813 B	209.85.201.189 [b.googlemail.l.google.com] [chatenabled	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35828	HttpGetChunked	2008-07-22 06:01:05 UTC	C:\	b
7335	DSC01727s[1].jpg	ipg	12 348 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35266	HttpGetNomal	2008-07-22 05:53:53 UTC	C:\	٧
7432	DSC01712s[1].jpg	ipg	11 926 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35266	HttpGetNomal	2008-07-22 05:53:53 UTC	C:\	٧
7333	DSC01705[1].jpg	ipg	52 182 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35264	HttpGetNomal	2008-07-22 05:53:53 UTC	C:\	٧
67537	DSC01715s[1].jpg	ipg	13 322 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35266	HttpGetNomal	2008-07-22 05:53:53 UTC	C:\	٧
67582	DSC01708s[1].jpg	ipg	14 711 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35264	HttpGetNomal	2008-07-22 05:53:54 UTC	C:\	٧
57639	DSC01706[1].jpg	ipg	64 315 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35266	HttpGetNomal	2008-07-22 05:53:54 UTC	C:\	٧
67668	DSC01710[1].jpg	ipg	191 948 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35264	HttpGetNomal	2008-07-22 05:53:54 UTC	C:\	٧
7858	DSC01711[1].jpg	ipg	49 941 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35266	HttpGetNomal	2008-07-22 05:53:54 UTC	C:\	٧
8067	DSC01716[1].jpg	ipg	58 237 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35266	HttpGetNomal	2008-07-22 05:53:55 UTC	C:\	٧
8037	DSC01714[1].jpg	ipg	182 178 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35264	HttpGetNomal	2008-07-22 05:53:55 UTC	C:\	٧
8316	DSC01722[1].jpg	ipg	80 167 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35266	HttpGetNomal	2008-07-22 05:53:55 UTC	C:\	٧
8416	14[1].jpg	ipg	99 929 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35264	HttpGetNomal	2008-07-22 05:53:55 UTC	C:\	٧
9869	12s[1].jpg	ipg	13 492 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35312	HttpGetNomal	2008-07-22 05:55:25 UTC	C:\	٧
9867	8s[1].jpg	ipg	18 968 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35310	HttpGetNomal	2008-07-22 05:55:25 UTC	C:\	٧
9932	9s[1].jpg	ipg	15 656 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35312	HttpGetNomal	2008-07-22 05:55:25 UTC	C:\	٧
9943	4s[1].jpg	ipg	21 796 B	209.123.229.231 [www.toroleather.com]	TCP 80	192.168.15.4 (Apple_iOS)	TCP 35310	HttpGetNomal	2008-07-22 05:55:25 UTC	C:\	V
7463	index[2].html	html	122 499 B	209.131.36.158 [www.yahoo-ht3.akadns.net] [www.yahoo	TCP 80	192.168.15.4 (Apple_iOS)	TCP 34168	HttpGetChunked	2008-07-22 04:57:19 UTC	C:\	٧
8255	index[3].html	html	125 011 B	209.131.36.158 [www.yahoo-ht3.akadns.net] [www.yahoo	TCP 80	192.168.15.4 (Apple_iOS)	TCP 34240	HttpGetChunked	2008-07-22 05:00:00 UTC	C:\	٧
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To make sure that this is the email address used on this IP address when we do a search on NetworkMiner we can see that jcoachj@gmail.com is used multiple times with the IP address 192.168.15.4.

Looking at the list of people taking the course we can see that there is only one person with the last name Coach who is Johnny Coach.

