

# Ahmet Selim Hatip

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**EDUCATION:** University Of North Carolina at Chapel Hill

**Double Major: BS. Statistics and Analytics and BS. Computer Science, GPA 3.76**

- Minor in Business Administration
- Dean's List for 6 semesters
- Courses taken: Machine Learning, Algorithms & Analysis, Little Languages, Artificial Intelligence

## EXPERIENCE

**Fanalytical – Chapel Hill, NC** **Data Analyst Intern** Jun 2018 - Cur

*Sports analytics startup founded to help university athletic departments reach maximum customer potential*

- Developed specific classes for python pipelines to increase platform performance
- Designed a scoring algorithm for Notre Dame to predict which businesses are interested in tailgating
- Created python prediction model to estimate 25K+ Villanova's consumer behaviors
- Analyzed six data tables and created presentation to display results for University of Wisconsin
- Wrote two white papers explaining Data analytics and the importance of a Data mart

**SAS Institute Inc. – Cary, NC** **Cognitive Computing Intern** May 2019-Aug 2019

*Analytics company that develops software for decision making and managing data*

- Leveraged SAS Cloud Analytic Services API with Python to analyze +9000 medical images
- Combined CT scans and organ contour data to create 3D images with layered organs
- Isolated various image components from scans with analyzing the images in DICOM format
- Trained a U-net neural network to predict the spinal cord from CT scans by with the SAS DL package

**ResNET – Chapel Hill, NC** **Residential Computing Consultant** Aug 2017 - Cur

*IT support on University of North Carolina at Chapel Hill housing*

- Solved 100+ university students' technology problems and service requests in a 24-hour notice
- Operated BMC Remedy to create tickets and document to 32 different dorms and 8000+ students
- Went to 250+ rooms to tell residents about ResNET and built 3D printed key chains to give out

## LEADERSHIP AND COMMUNITY INVOLVEMENT

**Muslim Student Association, Chapel Hill, NC** Dec 2016 - Cur

- Tutored 10+ refugees from Syria on their classwork weekly
- Lead UNC student peer to refugee volunteering program
- Organized multiple excursions and social events to raise awareness

## PROJECTS

**Modeling Shape of Concentric Tube Surgical Robot** Oct 2018 - Dec 2018

*Neural network project to predict the location of a medical Robot based on 6 motors*

- Created a neural network predicting the robot's end position using python to analyze the continuous movement of the 6 motors
- Analyzed a data set with 1M data samples
- Project results are to be used by UNC Medicine during non-invasive surgeries

**RentHop Project** Jan 2018 - May 2018

*Data analytics project for predicting how popular apartment listings will be on RentHop*

- Operated machine learning methods to predict if an apartment listing would be popular or not
- Developed Excel macros with VBA to create a table that organizes user responses
- Designed ordinal and tree prediction models in R

**Wearable Technology in Healthcare website** Jan 2018 - May 2018

*Independent website that outlines the benefits of wearable technology in healthcare*

- Designed Frontend using HTML & CSS
- Displayed global healthcare costs and data using Tableau
- Embedded a Google form to dynamically update website visual representations

## SKILLS

Languages (in order of proficiency): Turkish, Arabic, French

Programming (in order of proficiency): Python, R, Java, Rust, SAS, SQL, bash, VBA, JavaScript, HTML

Software: Tableau, 3-D printing, Linux, AWS