FATIH OZER

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EDUCATION

University of Pennsylvania, *Dual Degree Candidate* - Philadelphia, PA   August 2017 - (expected) June 2021

- **GPA:** 3.40/4.00
- **School of Engineering and Applied Science:** Bachelor of Science in Engineering: Computer Science
- **College of Arts and Sciences:** Bachelor of Arts: International Relations, Minors: Economics, History, Mathematics
- **Coursework:** Algorithms, Computer Organization and Design, Computer Security, Linear Algebra, Networked Systems, Probability, Software Design and Engineering, Statistical Inference

PROJECTS & SKILLS

Programming languages: *Java, C, C++, Python, JavaScript, Ruby, Verilog*
Technologies: *Git, MongoDB, React Native, Node.js, Google Cloud Platform, AWS, Docker, PostgreSQL, ReactJS*
Team Capstone Project (*React Native, AWS*): Musallah

- Designed and implemented a brand new meditation and prayer space locator app
- Users have the ability to post their recommended spots and create events for group based meditation and prayer.Users also have the ability to chat with members of the group.

Group Networking Project (*Python, Git*): Music Streaming Service

- Constructed a custom protocol for music streaming between a client and a server
- Developed on server side supporting play, pause, stop, next song features with network optimizations for speed

Android App (*Java, Node.js, MongoDB*): Immediate Healthcare App

- Designed a healthcare app in a team to connect sick patients with doctors in villages and small towns
- Mobile app developed with Android Studio and Java using the Agile Software Development LifeCycle
- Created a RESTful API on Node.js to be used with MongoDB and basic Website using HTML5 and CSS

PROFESSIONAL EXPERIENCE

University of Pennsylvania: Lead Teaching Assistant (Mathematics) - Philadelphia, PA   Aug 2018 - Present

- Conducted Calculus and Linear Algebra recitations for 90 engineering students for 3 hours a week
- Winner of the Good Teaching Award (Highest honor at the Department of Mathematics)
- Pioneered transition of Calculus classes to follow an application-based approach to Mathematics

Talenox: Software Engineer Intern - Remote from Hong Kong   Jun 2020 - Sep 2020

- Coded with Ruby on Rails, PostgreSQL, HTML and Javascript on the *Leave* module at www.talenox.com
- Designed, tested and implemented an API for integration with various third party firms across Asia

Efrtls: Software Engineer Intern - Remote from Hong Kong   Jun 2020 - Sep 2020

- Mentored a college intern to adjust to working with at an software company and build software engineering skills
- Developed mobile and web apps under Efrtls' portfolio of apps using React Native and ReactJS with Google Firebase
- Launched a web portal for integration of app with telecommunication company increasing user base by 3000%

Istanbul Technical University: Consulting Intern for Prof. Ufuk Cebeci - Istanbul, Turkey   Jul 2019 - Aug 2019

- Consulted for innovative firms to develop products, streamline manufacturing and push products internationally
- Collaborated and filed patent and grant applications to TUBITAK (Turkey's Scientific and Technological Research Council) and the European Union Patent Office (EPO) on the world's fastest soap packaging machine

University of Pennsylvania: Teaching Assistant (Computer Science) - Philadelphia, PA   Aug 2018 - Dec 2018

- Mentored 400 students on coding practices and performed debugging exercises
- Enhanced homework assignments and lecture material; graded programming projects and examinations

LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

Access Engineering at University of Pennsylvania: Lead Instructor   Jan 2018 - Present

Penn Aerospace Club's Aircraft Electrical Team: Team Lead   Jan 2018 - Present