Karpenko Denis

banddk1@gmail.com

Experience

iOS developer (iOS Teamlead since June 2021) at Numbrs (Remote Zurich)   **February 2019 – Present**
Numbrs Personal Finance AG is one of the Europe Fintech Unicorns

- Architected and lead two biggest projects Referral Program and the whole App redesign (> 4000 files changed)
- Wrote the majority of reusable components inside UICore framework
- Maintain developer portal, fastlane and CI scripts
- Initiated objective-c and xibs removal projects, increase test coverage project
- Developed in-app subscriptions system

iOS developer at Tinkoff bank   **October 2018 – February 2019**
Tinkoff mobile bank - ranked as the best banking mobile app in Russia according to Global Finance

- Built a universal engine to run external Apps using JavaScriptCore in Mobile Bank
- Designed Jira and Github Workflow
- Main iOS Interviewer and participant of technical leads' RoundTable

iOS developer at Bookmate   **January 2018 – October 2018**
Bookmate is a subscription-based e-book service with more than 6 million users

- Worked on a variety of tasks such as the redesign of CoreData Stack and developing custom animations
- Worked on the Bookmate AudioPlayer based on AVPlayer (Streaming and offline listening options)
- Used CoreData, Objective-C, Swift, Promises, Signals, Alamofire, Unit tests

iOS developer at Tinkoff bank academic program   **April 2017- June 2017**
This is a competitive iOS academic program. 8% of applicants were accepted and 38% of them have finished

- Developed a location-based messenger and received a perfect result

Programmer Intern at Skoltech RoboCV Robotics Lab (Mobile robots)   **September 2016 – December 2017**
RoboCV is a well-known Russian Robotics startup

- Developed a 5 mm precision localization algorithm based on ParticleFilter for Robotics competition (Python)
- Developed architecture and protocol for communication between STM32 and RaspberryPi (Python and C)

Assembler developer at Google Summer of Code   **May 2016 – September 2016**
Project description and code: https://github.com/Bandd-k/TLS-Library

- Created a Transport Layer Security library for KolibriOS in flat assembler and successfully finished the program

iOS Developer and CTO at Express Food Startup   **May 2015 – November 2015**
I am one of the two startup founders

- Fully developed a native iOS application in Swift and backend for the service
- Made a Python web scraper that created a JSON object of 5000 product items.

Academic assistant at Algorithms and Data structures course at HSE   **September 2015-January 2016**
This is a competitive position only available for the top programming students

- Helped the lecturer to prepare tasks and consulted students

Education

BS in Computer Science at Higher School of Economics   **September 2012- June 2016**

- Received excellent grades in programming related courses such as the theory of databases, fundamentals of programming, programming languages, artificial intelligence and so on
- Achieved a reference letter from the Deputy Head of the faculty for perfect results in Algorithms course
- My Bachelor's thesis is "Development of cloud service for program autotuning"

Skills

Programming achievements

- ACM ICPC World Cup Semifinalist and Prize-Winner of Russia programming cup
- WWDC Apple 2018 Scholarship Winner. I've developed a SpriteKit game which is based on Conway's Game of Life
- My funniest development is 'ShakY app' (8000 downloads), self-made website and a YouTube promo
- Prize-Winner of Universiade 2016 by Higher School of Economics in Software Engineering discipline
- Winner of Russian Robotics Cup. 5th place out of 350 in Europe Finals
- IBM Mobile Hackathon Prize-winner. I have developed an application which is based on iBeacon