

Oliwia Kempinski

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EDUCATION

Bachelor of Science GPA: 3.99 (Expected Graduation: May 2024)

Stillman School of Business, Seton Hall University

Major: Mathematical Finance Minor: Computer Science

RELEVANT EXPERIENCE

Computer Science Research Assistant (2022 - Present)

- Developer for the domain-specific language FSM
- Developed software to generate computation graphs

Computer Science Teaching Assistant (2022 - Present)

- Prepared and delivered recitations for the first two introductory Computer Science courses
- Student tutor

President of Association for Computing Machinery (ACM) Chapter at Seton Hall University (2023 - Present)

- Tasked to start the chapter at Seton Hall University

Guest Speaker at the University of Lisbon (2023)

- Presented research on state-based machines to an Automata Theory class

PUBLICATIONS (peer-reviewed)

Visualizing Why Nondeterministic Finite-State Automata Reject (presented at SCHEME 2023)

Computation Graphs For State-Based Machines (under review by TFPIC 2024)

Computation Graphs For Nondeterministic Finite-State Automata (under review by ITICSE 2024)

GRANTS, HONORS & AWARDS

- Seton Hall University Academic Scholarship (2020 - Present)
- Seton Hall University Athletic Scholarship (2020 - Present)
- Stillman School of Business Mutual Benefit Life Scholarship (2023)
- Mendoza Global Ambassador Program Scholarship (2023)
- PLMW \$500.00 (ICFP 2023) (2023)
- ACM SIGPLAN \$1,500.00 (ICFP 2023) (2023)
- Member of Beta Gamma Sigma, the International Business Honors Society (2023 - Present)
- Member of the National Society of Collegiate Scholars (2020 - Present)
- Big East Conference All-Academic Team (2021 - 2023)
- Scholar Athlete of the Year (2021)
- Seton Hall University Dean's List (2021 - 2023)
- ITA Scholar-Athlete (2021 - 2023)

VARSITY AND SPORT EXPERIENCE

Division 1 Varsity Women's Tennis Team, Big East Conference, Seton Hall University (2020 - Present)

- Devoting 25+ hours every week to practicing, conditioning, mental training, team bonding, competing and traveling while maintaining a full academic course load
- Representing Seton Hall's Women's Tennis Program as student-athlete
- Playing as number 1 seated player of the team, assuming the leader's position

SKILLS

- Native speaker: German, Polish Fluency: English, Spanish Proficient: Latin
- Programming Languages: Racket, FSM, Python, Java, Mathematica, Swift
- Software: Latex, Excel, Access, Apex Oracle Data Modeler

VOLUNTEER WORK

Virtualization Volunteer at ICFP 2023 (2023)

- Monitoring the virtual platforms of the conference as virtualization chair

Projects as Part of Member of Highly Gifted High School Class (2012 - 2020)

- Passed three required admission exams (e.g., IQ-test) after primary school at the age of 10 to become a member of a special high school program for highly gifted students and participated in rigorous curriculum, research projects, debating competitions, voluntary hospital help

Piano Player (2012 - 2020)

- Volunteers to perform in church in Germany