

Vincent Sheu

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EDUCATION

Stanford Law School/Stanford School of Engineering

Stanford, CA

- Juris Doctor/Master of Science in Computer Science, expected Dec. 2017

Aug. 2014 – Present

Journals: Senior Finance Editor/Executive Board, *Stanford Law Review*; Editor-in-Chief, *Stanford Technology Law Review*

Activities: Executive Board, Stanford National Security and the Law Society; Co-President, Stanford Entertainment and Sports Law Association; Co-President, Asian-Pacific Islander Law Students Association; Vice-President of External Relations, Stanford Law and Technology Association; Alumni Committee Co-Chair, Stanford Public Interest Law Foundation Auction; Member, Stanford Badminton Team

Pro Bono: Stanford Law Tax Pro Bono

University of California, Berkeley

Berkeley, CA

- Master of Engineering in Bioengineering, awarded May 2014

Aug. 2013 – May 2014

Master's Thesis: "Big Data: Business Models and Open Innovation—An Examination of Semantic Similarity Models in IP"

Honors: Fung Paper Prize (for top engineering theses); College of Engineering Opportunity Award

Coursework: Data Structures, Discrete Math, Structure & Interpretation of Computer Programs, Computational Biology, Biomedical Device Development, Biomimetic Engineering, Engineering Leadership

- Bachelor of Arts in Statistics & Molecular/Cell Biology (MCB), awarded Dec 2012

Aug. 2008 – Dec. 2012

Honors Thesis: "Designing a Bicistronic microRNA Precursor Transcript"

Honors: MCB Departmental Honors (Top 15% / 800 students); Fall 2012 Dean's Honors; Regents' and Chancellor's (RC) Scholar (Top 3% / 25,000 students); 2012 Summer RC Research Fellow; National Merit Scholar; Fall 2008 Academic Honors

Activities: President, Rubik's Cube Club at Berkeley; External Vice President, RC Scholars Association; Extern, Santa Clara County Office of the Alternate Defender; Member, Cal Badminton Team

Coursework: Symbolic Programming, Statistical Programming/Computing, Time Series, Bayesian Statistics, Game Theory, Immunology, Genetics, Biophysical Chemistry, Advanced Medical Virology

PUBLICATIONS & PRESENTATIONS

- Vincent Sheu, *Welcome to the Wonderful World of FIFA: An Analysis of the FIFA Indictments*, 17 TEX. REV. OF ENT. & SPORTS L. (forthcoming) (2017).
- Vincent Sheu, *Big Data: Business Models and Open Innovation—An Examination of Semantic Similarity Models in Intellectual Property*, U.C. BERKELEY FUNG TECHNICAL REP., May 1, 2014, at 2014.05.01.
- Vincent Sheu, *Big Data: Business Models and Open Innovation*, Research group presentation at the University of California, Berkeley Master of Engineering Capstone Project Poster Session (May 8, 2014).
- Vincent Sheu, *Designing a Bicistronic microRNA Precursor Transcript*, Honors thesis presentation at the University of California, Berkeley Molecular and Cell Biology Honors Poster Session (Nov. 16, 2012).

LEGAL EXPERIENCE

National Security Agency | Office of General Counsel

Fort Meade, MD

Legal Honors Summer Law Clerk

Summer (June – July) 2016

- Top Secret//SCI clearance since 2016; U.S. Citizen
- Advised the Information Assurance Directorate and NSA/CSS Threat Operations Center, including operational communications security, force protection monitoring, international arrangements, and defensive information operations programs
- Handled legal matters relating to Signals Intelligence (SIGINT) activities, including legal compliance regarding the collection, retention, processing and dissemination of SIGINT information, and handling Foreign Intelligence Surveillance Act (FISA) issues

United States Attorney's Office | Northern District of California

San Jose, CA

Law Clerk | Criminal Division

Sept. 2015 – Dec. 2015

- Negotiated settlements with defendants and appeared in federal court for misdemeanors and Central Violations Bureau matters
- Provided legal and technical research and advice for the Computer Hacking and Intellectual Property crimes unit

Perkins Coie LLP

Palo Alto, CA

Summer Associate

Summer 2015, Summer (Aug.) 2016

- Composed memorandum on modeling patent pool characteristics and patent FRAND royalty determinative factors
- Interviewed technical expert to develop strategies for patent invalidity, non-infringement, and non-infringing alternatives
- Advised entertainment client on communications and transactional issues of IP disclosure, assignment, and right-of-first-refusal

SELECTED ACADEMIC PROJECTS

- Computer Science:** General Game Playing AI (Java, Group); Heap Allocator (C, Group); Scheme interpreter (Python, Group)
- Statistics:** Mined, analyzed, visualized, and presented six years of Division-I college basketball data; used time series and statistical analysis to benchmark predictive engines and develop a market-defeating betting strategy (R, Group); Designed and presented a Bayesian inference model based on polling trends to correctly predict the 2012 Presidential election (R, Group)

- **Bioengineering:** Generation of novel DNA sequences (including functional riboswitch activated by supplied effector, protein coding, and proper folding prediction) (Python, Group); Researched prior art, identified competitors, and explored market trends to design a novel hybrid aortic valve through simulated FDA approval process (Bioengineering, Group)
- **Policy:** The American Jobs Project (Gov. J. Granholm): researched and compared job data and policy implementation in CA and AZ, recommending policies to encourage growth in lagging areas (Group)

ACADEMIC EXPERIENCE

Fung Institute for Engineering Leadership | University of California, Berkeley **Berkeley, CA**
Researcher, Graduate Student Researcher | Laboratory of Lee Fleming, Ph.D. *Sept. 2013 – Aug. 2014*

- Developed first-order benchmark identifying semantic similarity matches quality using prior art and forward citations; compared identified methods using representative and biased patent sample sets for Capstone/Master's Thesis (Python, R)
- Conducted literature search identifying promising semantic similarity metrics for use on dataset of 6 million US patents

Departments of Physics, Statistics, and Mathematics | University of California, Berkeley **Berkeley, CA**
Head Graduate Student Instructor/Course Developer | L&S 22: Sense & Sensibility & Science *June 2012 – May 2014*

- Developed topics/materials for new seventy-person rationality/science course on Nobel Laureate-led team; researched strengths/weaknesses of scientific method and rational decision making; developed grading standards for course; led and mentored teaching team on curriculum development and student interactions

Reader (Academic Student Employee) | STAT 133: Statistical Programming/Computing *Sept. 2012 – May 2013*

- Worked with professors, graduate students, and reader on the statistics major computing/programming course; tutored students on computer science concepts and data analysis techniques

Undergraduate Facilitator | MATH 98/198: Learn to Solve the Rubik's Cube/Speedsolving *Jan. 2009 – Dec. 2012*

- Designed curricula; instructed 150-person DeCal courses on group theory, problem solving, and puzzling; instituted training system to promote students into future instructors; oversaw development into the most popular DeCal course

School of Public Health – Infectious Diseases | University of California, Berkeley **Berkeley, CA**
Head Undergraduate Researcher | Laboratory of Fenyong Lin, Ph.D. *Jan. 2009 – Dec. 2012*

- Proposed, iterated, and verified gene-silencing agents in a *Salmonella*-based cancer therapy for Senior Honors Thesis (Lasergene)
- Designed and executed experiment creating novel short-hairpin RNA to knock out microRNA production in cells
- Interviewed, recommended, trained, and mentored undergraduate researchers

Institute of Clinical Medicine | National Yang Ming University School of Medicine **Taipei, Taiwan**
Research Intern | Laboratory of Jaw-Ching Wu, M.D. Ph.D. *Summer 2008*

- Trained under the supervision of six postdocs to research the effects of amino acid polymorphism on HDV virulence
- Communicated in technical Mandarin Chinese with principal investigator, postdoctoral fellows, and lab technicians

LEADERSHIP & PERSONAL EXPERIENCE

World Cube Association (WCA) *Jan. 2012 – Present*
WCA Delegate; WCA Regulations Committee Chair

- Directed a committee to revise the WCA Competition Regulations and Guidelines based on community feedback (2012-2015)
- Incorporated CubingUSA (American national organization) into a 501(c)(3) organization and California public benefit corporation
- World Records: 3x3x3 Fewest Moves average (25 moves; Aug. 2014-May 2016); 2x2x2 Speedsolve (0.96 seconds; Feb.-Nov. 2011)

Co-Organizer/Staff Leader, 2013 World Championship/2012-15 US Championship *Jan. 2012 – Present*

- Directed three-day, 600-competitor Rubik's Cube competitions; recruited, trained, and managed volunteer staff team
- Negotiated competition sponsorships/partnerships with businesses; increased annual merchandise profits eightfold

CaliforniaGoldenBlogs.com *June 2012 – Present*
Contributing Author

- Researched and authored blog posts on Cal Athletics; conducted Q&A with opposing team experts for publication
- Cal Athletics Bench Committee: Promoted Cal Athletics with Cal Marketing to improve basketball gameday experience

Regents' and Chancellor's Scholars Association | University of California, Berkeley **Berkeley, CA**
Co-External Vice President, UC Liaison, Professional Development, Advocacy Committees *May 2009 – May 2012*

- Coordinated event planning and organized multiple weekly events to facilitate scholar networking and professionalism
- Co-orchestrated 1400-attendee innovation conference (TEDxBerkeley 2011); managed 100-volunteer event team
- Recruited prospective scholars as university-sponsored student representative in 2010 and 2012

OTHER

Languages: Mandarin Chinese, Taiwanese-Hokkien (introductory)

Computing: R, C, Java, Python, Scheme, UNIX, Lasergene

Affiliations: Asian Pacific American Bar Association of Silicon Valley (APABA-SV), Asian American Bar Association of the Greater Bay Area (AABA), Sports Lawyers Association, Cal Alumni Association

Personal: Pianist and clarinetist; avid basketball/baseball/football fan; enjoy eating my way through cities